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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:06:24 ON 01 NOV 2004

=> file registry

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 19:06:38 ON 01 NOV 2004
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STRUCTURE FILE UPDATES: 31 OCT 2004 HIGHEST RN 773042-36-7
DICTIONARY FILE UPDATES: 31 OCT 2004 HIGHEST RN 773042-36-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

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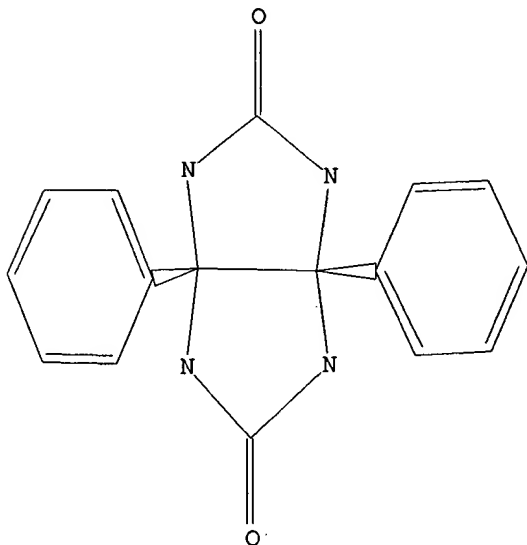
Uploading C:\Program Files\Stnexp\Queries\09246468\plain.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 19:07:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 62 TO ITERATE

100.0% PROCESSED 62 ITERATIONS
SEARCH TIME: 00.00.01

24 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 768 TO 1712
PROJECTED ANSWERS: 187 TO 773

L2 24 SEA SSS SAM L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.42	0.63

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 19:07:18 ON 01 NOV 2004
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FILE COVERS 1907 - 1 Nov 2004 VOL 141 ISS 19
FILE LAST UPDATED: 31 Oct 2004 (20041031/ED)

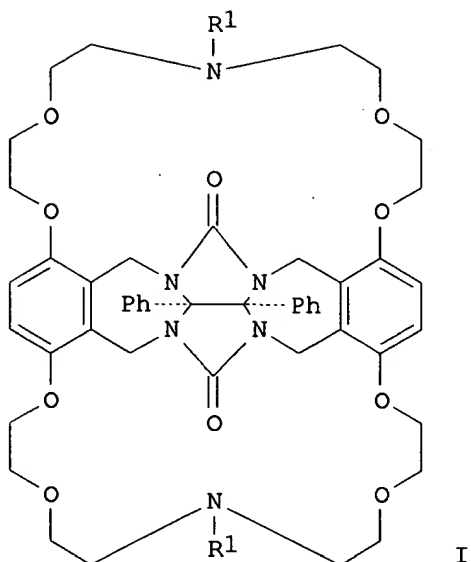
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2 full

L3 17 L2

=> d fbib abs hitstr

L3 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:982192 CAPLUS
DN 140:217990
TI Enantioselective binding of amino acids and amino alcohols by self-assembled chiral basket-shaped receptors
AU Escuder, Beatriu; Rowan, Alan E.; Feiters, Martinus C.; Nolte, Roeland J. M.
CS Department of Organic Chemistry, Katholieke Universiteit Nijmegen, Nijmegen, NL-6525 ED, Neth.
SO Tetrahedron (2004), 60(2), 291-300
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science B.V.
DT Journal
LA English
GI



AB Amino acid appended diphenylglycoluril-based chiral mol. receptors I [R1 = CH₂CH(CO₂H)NH-BOC, CH₂(CH₂)₃CH(CO₂H)NH-BOC, CH₂CH(NH₂)CONHC16H₃₃, CH₂(CH₂)₃CH(NH₂)CONHC16H₃₃; BOC = tert-butoxycarbonyl] have been prepared and their aggregation has been studied in water at various pH's and in chloroform. The binding of several biol. relevant guests with aromatic moieties to these aggregates has been studied with UV-Vis spectroscopy in competition expts. with 4-(4-nitrophenylazo)resorcinol (Magnezon) and 2-(4-hydroxyphenylazo)benzoic acid (HABA) as probes. Aggregates of chiral host I [R1 = CH₂(CH₂)₃CH(CO₂H)NH-BOC] showed binding of catecholamines and aromatic amino acids in an aqueous environment, as well as discrimination between

amino acid enantiomers, and can be considered a mimic for adrenergic receptors.

IT **664375-29-5**

RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation, nonpreparative)

(mol. structure of; enantioselective binding of amino acids and amino alcs. by self-assembled chiral diphenylglycoluril-based basket-shaped receptors by UV and visible spectra)

RN 664375-29-5 CAPLUS

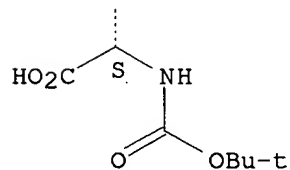
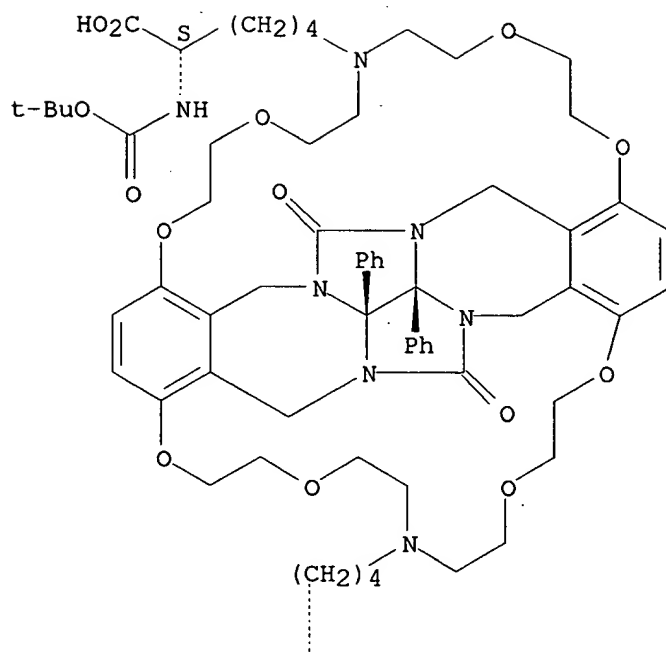
CN D-Tyrosine, (αS,α'S,2α,38α)-α,α'-bis[[[(1,1-dimethylethoxy)carbonyl]amino]-2a,8,9,11,12,14,15,17,18,25,26,28,29,31,32,34,35,38b-octadecahydro-1,4-dioxo-2a,38b-diphenyl-1H,4H-6,37:20,23-dietheno-2,22:3,21-dimethano-5H,13H,30H,38H-7,10,16,19,24,27,33,36-octaoxa-2,3,4a,13,30,38a-hexaazacyclopenta[cd]cyclotetratriacont[g]azulene-13,30-dihexanoate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 340735-78-6

CMF C70 H94 N8 O18

Absolute stereochemistry. Rotation (+).

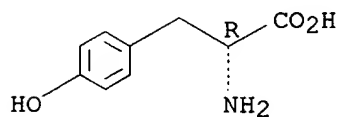


CM 2

CRN 556-02-5

CMF C9 H11 N O3

Absolute stereochemistry.



RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

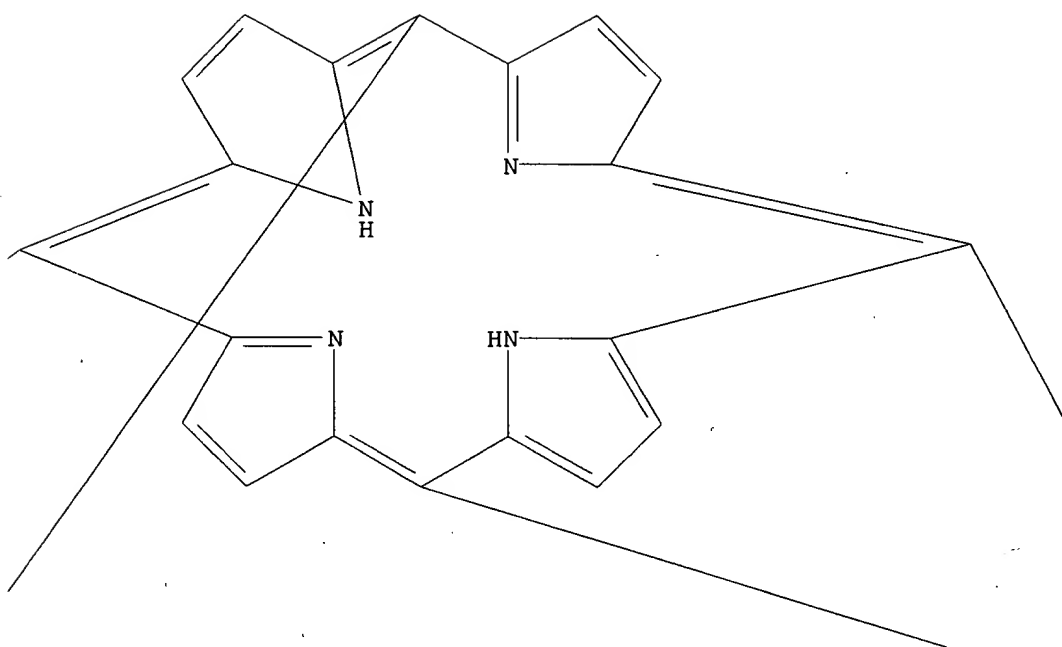
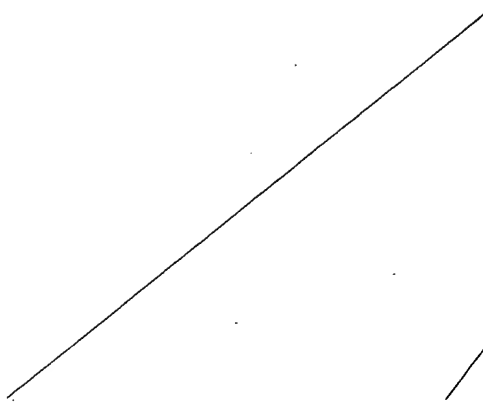
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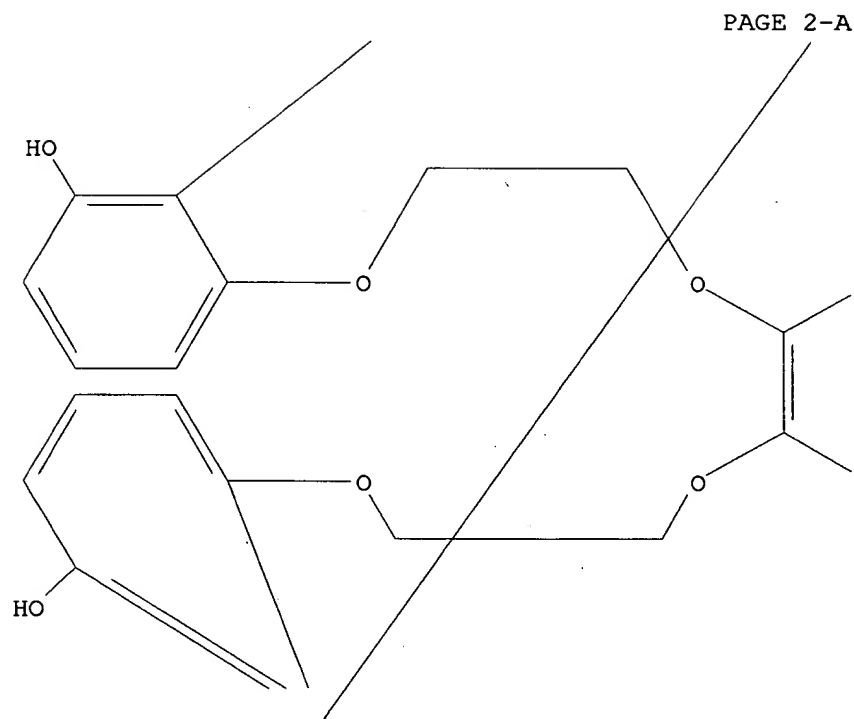
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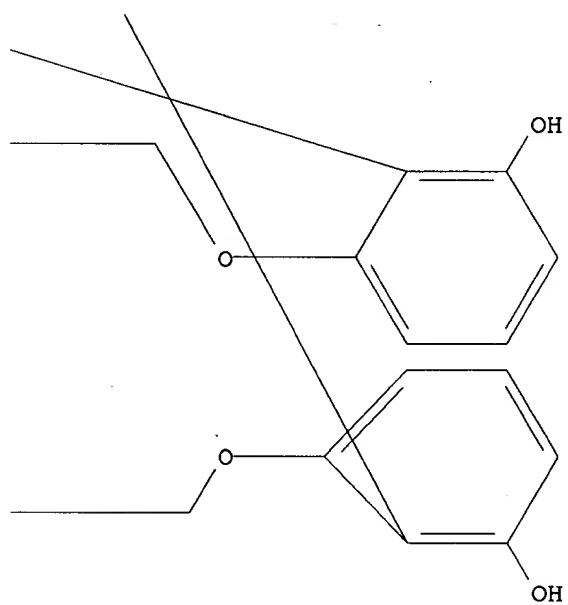
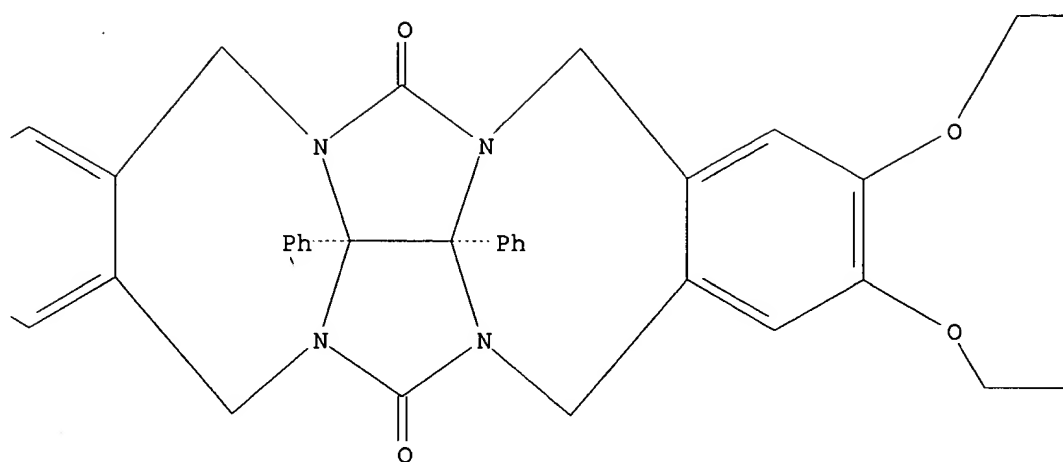
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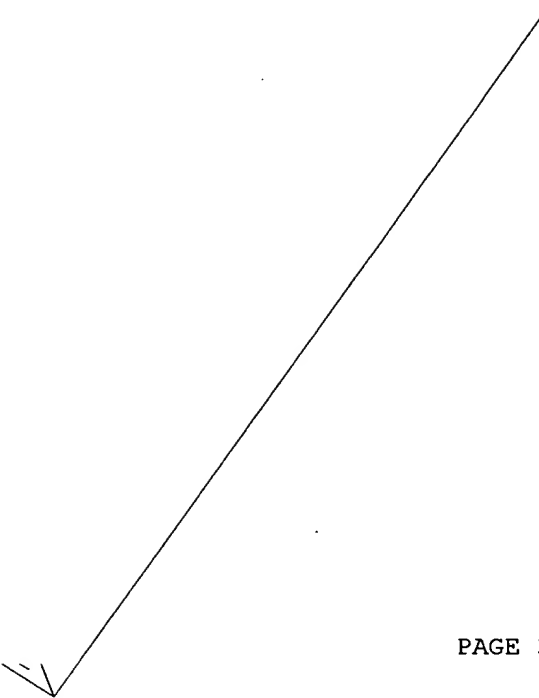
L3 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2003:29192 CAPLUS
 DN 138:221380
 TI Highly Negative Homotropic Allosteric Binding of Viologens in a
 Double-Cavity Porphyrin
 AU Thordarson, Pall; Bijsterveld, Edward J. A.; Elemans, Johannes A. A. W.;
 Kasak, Peter; Nolte, Roeland J. M.; Rowan, Alan E.
 CS Department of Organic Chemistry, NSRIM, University of Nijmegen, Nijmegen,
 6525 ED, Neth.
 SO Journal of the American Chemical Society (2003), 125(5), 1186-1187
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 138:221380
 AB The synthesis of a double-cavity porphyrin with interesting allosteric
 binding properties toward viologens (N,N'-disubstituted 4,4'-bipyridines)
 is described. The porphyrin host forms very strong 1:2 complexes with
 viologens, displaying a neg. allosteric behavior. The first viologen
 guest binds exceptionally tight ($K > 10^7 \text{ M}^{-1}$), and the second guest binds
 much more weakly ($\Delta\Delta G = 9\text{--}15 \text{ kJ mol}^{-1}$). The allosteric
 effect, one of the highest reported so far, originates in structural
 changes upon binding the first ligand, closely following the sequential
 (or induced-fit) theory of allosteric interactions by Koshland, Nemethy,
 and Filmer (the KNF-model).
 IT **501004-69-9P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of double-cavity porphyrin and study of its allosteric binding
 with viologens using UV-visible and fluorescence titrns.)
 RN 501004-69-9 CAPLUS
 CN 6,9:33,36-Diimino-5,37:10,32-di[2]pyrrolyl[5]ylidene-21H,48H-
 15,18,24,27,42,45,51,54-octaoxa-20a,21a,47a,48a-
 tetraazadibenzo[7',8':15',16']cycloeicosino[1',2':4,5]benzo[1,2-
 f]dibenzo[7'',8'':15'',16'']cycloeicosino[1'',2'':4',5']benz[1',2':5,6]azu-
 leno[2,1,8-ija]azulene-21,48-dione, 16,17,20,22,25,26,43,44,47,48b,48c,49,
 52,53-tetradecahydro-4,11,31,38-tetrahydroxy-48b,48c-diphenyl-, cis- (9CI)
 (CA INDEX NAME)

Relative stereochemistry.





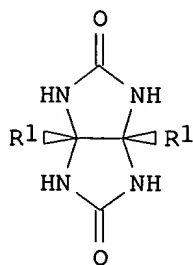




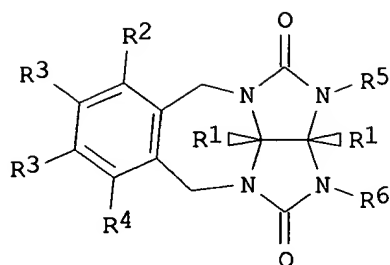
PAGE 3-A

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

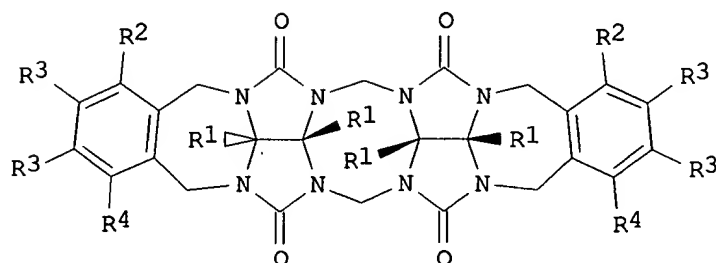
L3 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:509510 CAPLUS
DN 137:216932
TI Methylene-Bridged Glycoluril Dimers: Synthetic Methods
AU Wu, Anxin; Chakraborty, Arindam; Witt, Dariusz; Lagona, Jason; Damkaci,
Fehmi; Ofori, Marie A.; Chiles, Jessica K.; Fettingner, James C.; Isaacs,
Lyle
CS Department of Chemistry and Biochemistry, University of Maryland, College
Park, MD, 20742, USA
SO Journal of Organic Chemistry (2002), 67(16), 5817-5830
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 137:216932
GI



I



II



V

AB Three complementary methods were developed for the synthesis of C- and S-shaped methylene-bridged glycoluril dimers, which are the fundamental building blocks of cucurbituril (CB[6]) and its homologues (CB[n]). Glycolurils I [R1 = EtO2C, Ph, 2-pyridyl; R1R1 = (CH2)4], bearing diverse functionalities on their convex face, were prepared and alkylated under basic conditions (DMSO, t-BuOK) with 1,2-bis(halomethyl) aromatic compds. to yield the corresponding fused polyheterocyclics II [R2 = H, Br, F, MeO; R3 = H, F, Me, MeO; R4 = H, Br, F, MeO, O2N; R5 = R6 = H; (III)], which contained a single aromatic o-xylylene ring and potentially nucleophilic ureidyl NH groups. Glycoluril derivs. II [R5R6 = CH2OCH2; (IV)], bearing potentially electrophilic cyclic ether groups, were prepared by condensation of III with paraformaldehyde in TFA. The condensation reactions of III with paraformaldehyde under anhydrous mild acidic conditions (p-TsOH, ClCH2CH2Cl, reflux) gave, in most cases, the C-shaped methylene-bridged glycolurils V and their S-shaped isomers in good to excellent yields. In many cases, the C-shaped compds. V were formed preferentially with high diastereoselectivity. Similarly, cyclic ethers IV underwent highly diastereoselective dimerization reactions to yield methylene-bridged glycoluril dimers V with the formal extrusion of formaldehyde. Selective heterodimerization reactions using a combination of a cyclic ether IV and glycoluril III with ureidyl NH groups afforded analogous C- and S-shaped heterodimers with low to moderate diastereoselectivities. This heterodimerization route is the method of choice in cases where the homodimerization reactions fail. The formation of side products (\pm)-II [R1 = Ph, R1R1 = (CH2)4; R2 = R3 = R4 = H, R5 = CHO, R6 = Me] helped to clarify the electronic requirements for a successful CB[n] synthesis. The X-ray structures of three homodimerization products allowed for a discussion of the structural features of this class of compds.

IT 455889-35-7P

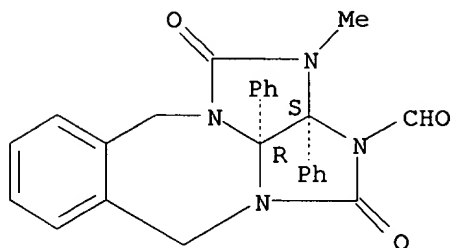
RL: BYP (Byproduct); PREP (Preparation)

(formation of N-formylglycoluril byproduct in stereoselective preparation of methylene-bridged glycoluril dimer via condensation of glycoluril derivative with paraformaldehyde)

RN 455889-35-7 CAPLUS

CN 2,3,4a,10a-Tetraazabenzog[cyclopent[cd]azulene-2(1H)-carboxaldehyde, 2a,3,4,5,10,10b-hexahydro-3-methyl-1,4-dioxo-2a,10b-diphenyl-, (2aR,10bS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 455889-17-5P

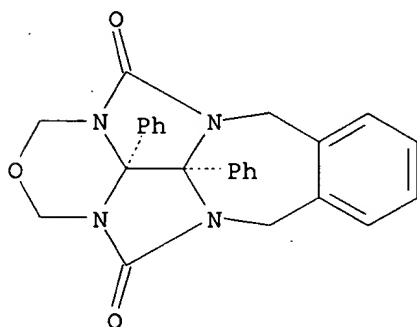
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(stereoselective preparation of methylene-bridged glycoluril dimers via condensation of glycoluril derivs. with paraformaldehyde)

RN 455889-17-5 CAPLUS

CN 1H,3H,4H,11H-2-Oxa-3a,4a,10a,11a-tetraazabenz[f]indeno[2,1,7-ija]azulene-4,11-dione, 5,10,11b,11c-tetrahydro-11b,11c-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:798883 CAPLUS

DN 136:85587

TI "Flexiball" Toolkit: A Modular Approach to Self-Assembling Capsules

AU O'Leary, Brendan M.; Szabo, Tomas; Svenstrup, Niels; Schalley, Christoph A.; Luetzen, Arne; Schaefer, Mathias; Rebek, Julius, Jr.

CS The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA

SO Journal of the American Chemical Society (2001), 123(47), 11519-11533
CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

AB We report the synthesis and characterization of new, self-assembling mol. capsules. The modular strategy makes use of glycoluril building blocks available in multigram amts. combined with aromatic spacer elements. The lengthy syntheses encountered with earlier generations of capsules are avoided, and several capsules of nanometer dimensions are now accessible. Single bond attachments between spacers and glycoluril modules result in

monomers as dimeric capsules that are less rigid than their earlier counterparts. The host-guest properties of the homo- and heterodimeric capsules were studied using a combination of NMR and ESI-mass spectrometry. They show a less pronounced selectivity for guests of different sizes, and their increased flexibility prevents self-assembly when no rigidifying elements are present on the central spacer unit. Some of the new capsules bear inwardly directed, secondary amide N-H protons. These can be further functionalized, as shown by their methylation to give tertiary analogs. The structures hold broader implications for the placement of functional groups on concave mol. surfaces.

IT **385818-94-0**

RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)
(modular synthesis and characterization of self-assembling mol.

capsules based on glycoluril building blocks combined with aromatic spacer elements)

RN 385818-94-0 CAPLUS

CN 4,4'-Bipyridinium, 1,1'-diheptyl-, compd. with (2,4,6-triethyl-1,3,5-benzenetriyl)tris(methylene) tris[(2 α ,6 α ,7 β)-2a,7b-bis(4-heptylphenyl)octahydro-1,4-dioxo-5H-2,3,4a,7a-tetraazacyclopent[cd]indene-6-carboxylate] (1:2) (9CI) (CA INDEX NAME)

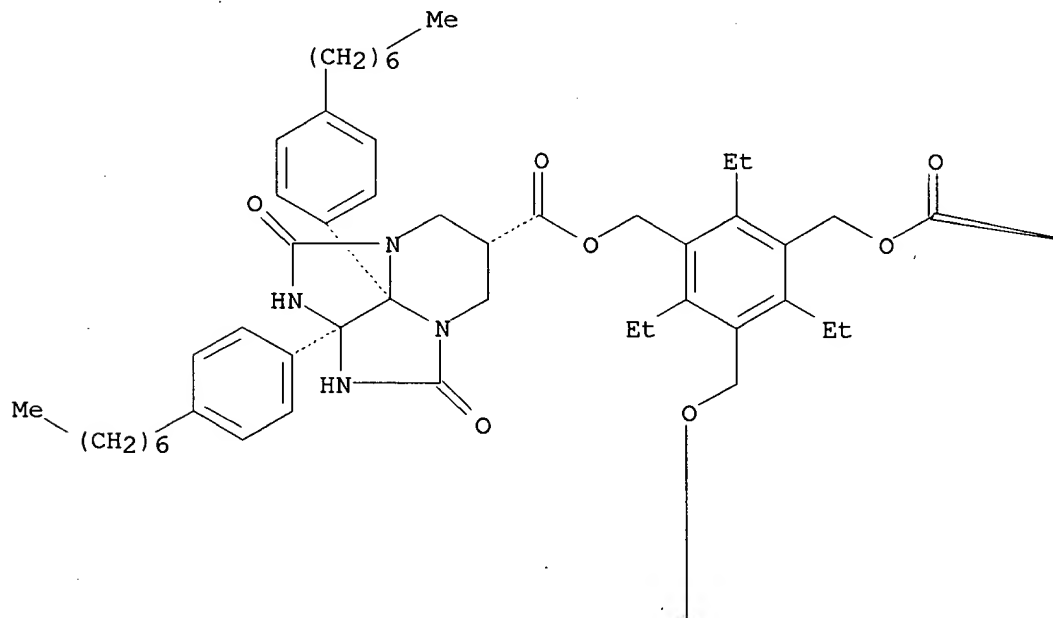
CM 1

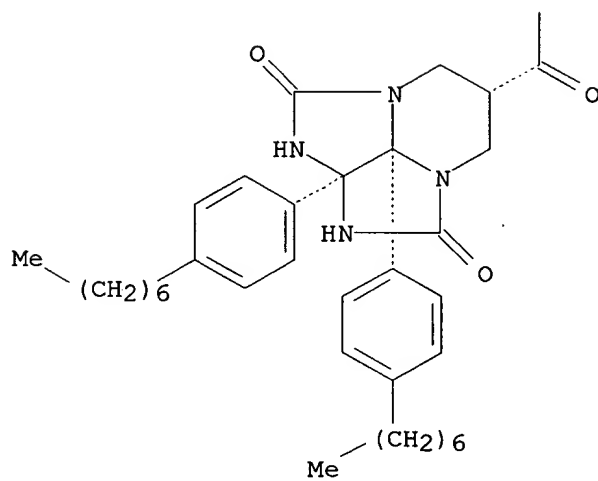
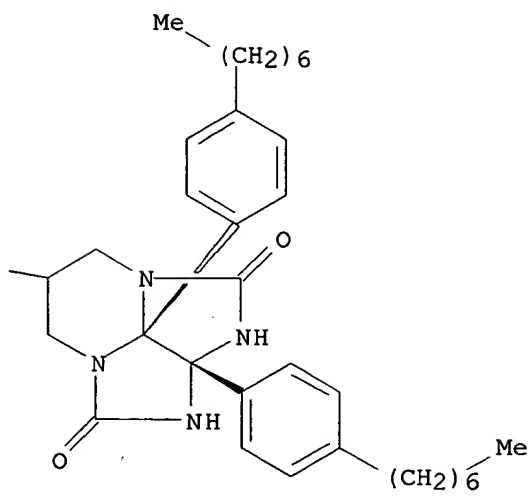
CRN 385818-70-2

CMF C117 H156 N12 O12

Relative stereochemistry.

PAGE 1-A

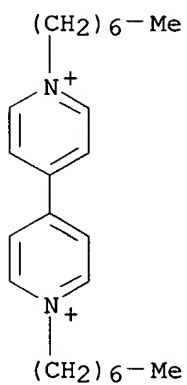




CM 2

CRN 47503-76-4

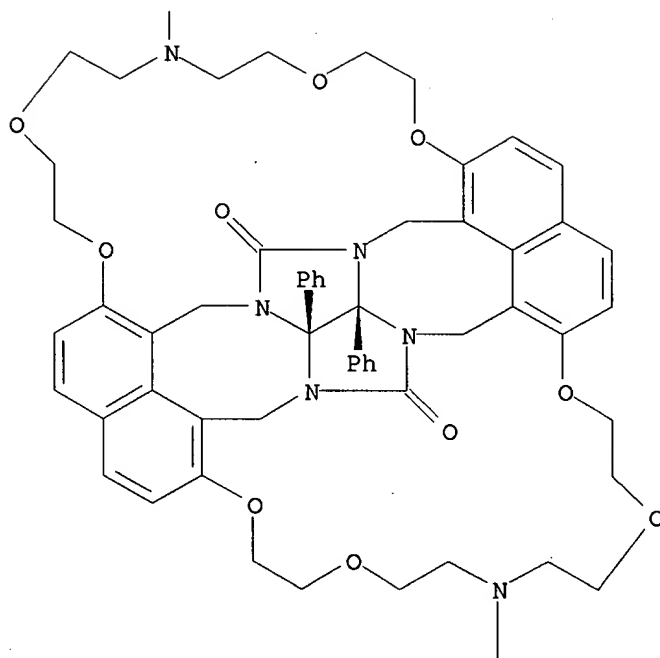
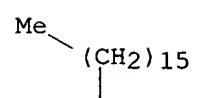
CMF C24 H38 N2

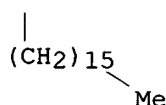


RE.CNT 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:901193 CAPLUS
DN 134:178254
TI Synthesis, Aggregation, and Binding Behavior of Synthetic Amphiphilic Receptors
AU Schenning, Albertus P. H. J.; Escuder, Beatriu; van Nunen, Johanna L. M.; de Bruin, Bas; Loewik, Dennis W. P. M.; Rowan, Alan E.; van der Gaast, Sjerry J.; Feiters, Martinus C.; Nolte, Roeland J. M.
CS Department of Organic Chemistry, NSR Center University of Nijmegen, Nijmegen, 6525 ED, Neth.
SO Journal of Organic Chemistry (2001), 66(5), 1538-1547
 CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 134:178254
AB Amphiphilic bowl-shaped receptor mols. have been synthesized starting from diphenylglycoluril. Upon dispersion in water, these mols. self-assemble to form vesicles that bind neutral guests and alkali metal ions. In the case of bis(alkylester)-modified receptor compound, electron microscopy reveals that an increase in the size of the alkali metal ion (from Na⁺ or K⁺ to Rb⁺ and to Cs⁺) leads to a change in the shape of the aggregates, viz. from vesicles to tubules. Monolayer expts. suggest that this behavior is due to a change in the conformation of this amphiphilic receptor. In water, the receptor mols. have an elongated conformation that changes to a sandwich-like one upon binding of alkali metal ions. Binding studies with vesicles from bis-ammonium receptors and the guest 4-(4-nitrophenylazo)resorcinol (Mageson) reveal that below the critical aggregation concentration (CAC) of the amphiphile 1:1 host-guest complexes are formed with high host-guest association consts. Above the CAC, a host-guest ratio of 2:1 was observed that indicates that only the cavities on the outside of the vesicle can be occupied. In the case of the naphthalene walled compound changes in the vesicle structure are induced by the organic guest Mageson.
IT **325981-99-5P**
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
 (aggregation and Mageson binding; synthesis, aggregation, and binding behavior of diphenylglycoluril-based synthetic amphiphilic receptors containing neutral and quaternized aza crown rings)
RN 325981-99-5 CAPLUS
CN 26H,29H-2,24-(Epoxyethanoxyethaniminoethanoxyethanoxy)-1,30:25,28:27,31-trimethano-11H,32H-imidazo[4,5-r]dinaphtho[2,1-n:1',2'-v][1,4,10,13,7,17,20]tetraoxatriazacyclotricosine-29,33-dione, 13,42-dihexadecyl-8,9,12,13,14,15,17,18,27a,30a-decahydro-27a,30a-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.





IT 325981-88-2P

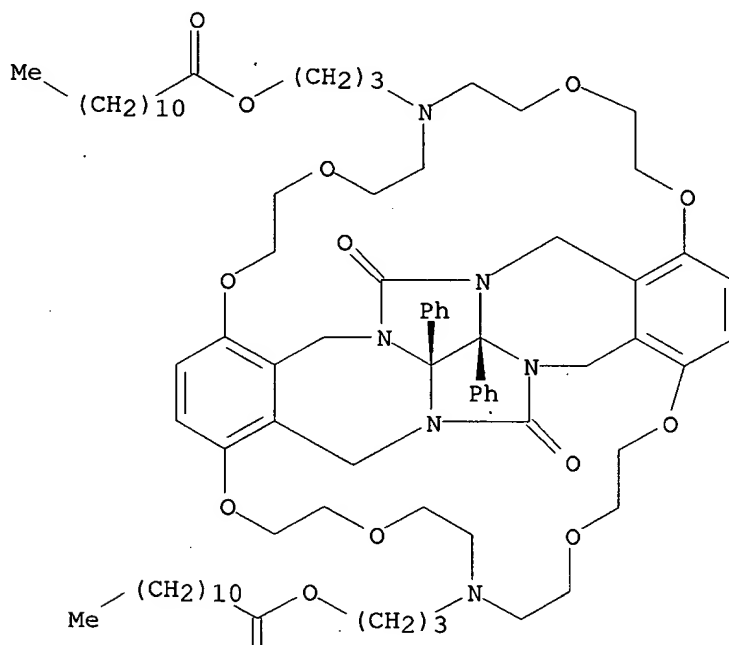
RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
 (aggregation and alkali metal binding; synthesis, aggregation, and binding behavior of diphenylglycoluril-based synthetic amphiphilic receptors containing neutral and quaternized aza crown rings)

RN 325981-88-2 CAPLUS

CN Dodecanoic acid, (cis-2a,8,9,11,14,15,17,18,25,26,28,29,32,34,35,38b-hexadecahydro-1,4-dioxo-2a,38b-diphenyl-1H,4H-6,37:20,23-dietheno-2,22:3,21-dimethano-5H,13H,30H,38H-7,10,16,19,24,27,33,36-octaoxa-2,3,4a,13,30,38a-hexaazacyclopenta[cd]cyclotetratricont[g]azulene-13,30(12H,31H)-diyl)di-3,1-propanediyl ester (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



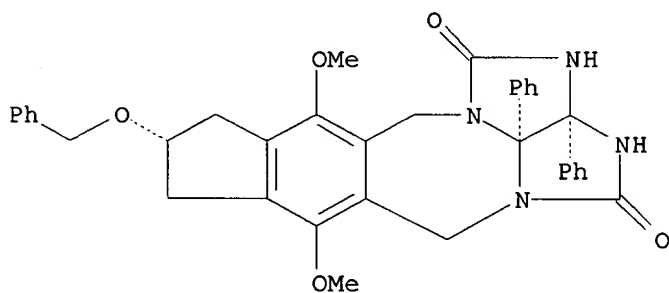
RL: FMU (Formation, unclassified); PRP (Properties); FORM (Formation, nonpreparative)
 (synthesis, aggregation, and binding behavior of diphenylglycoluril-based synthetic amphiphilic receptors contg. neutral and quaternized aza crown rings)

RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:182721 CAPLUS
 DN 133:43478
 TI Development of synthetic self-assembling molecular capsule: from flexible spacer to rigid spacer
 AU Kang, Jongmin; Meissner, Robert S.; Wyler, Rene; De Mendoza, Javier; Rebek, Julius, Jr.
 CS Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
 SO Bulletin of the Korean Chemical Society (2000), 21(2), 221-227
 CODEN: BKCSDE; ISSN: 0253-2964
 PB Korean Chemical Society
 DT Journal
 LA English
 OS CASREACT 133:43478
 AB The synthesis and characterization of a synthetic self-assembling mol. capsule are described. The originally designed flexible mol. was collapsing on itself, forming hydrogen bonds within monomer rather than forming a dimer due to the flexibility of the central diimide.
 IT **267889-70-3P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of self-assembling mol. capsule)
 RN 267889-70-3 CAPLUS
 CN 5H-2,3,4a,11a-Tetraazacyclopent[cd]indeno[5,6-g]azulene-1,4(2H,3H)-dione, 2a,7,8,9,11,11b-hexahydro-6,10-dimethoxy-2a,11b-diphenyl-8-(phenylmethoxy)-, (2a α ,8 α ,11b α)- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:322944 CAPLUS
 DN 131:87870
 TI Multifunctionalized Glycolurils
 AU Pryor, Kent E.; Rebek, Julius Jr.
 CS The Skaggs Institute for Chemical Biology and Department of Chemistry, The Scripps Research Institute, La Jolla, CA, 92037, USA
 SO Organic Letters (1999), 1(1), 39-42
 CODEN: ORLEF7; ISSN: 1523-7060
 PB American Chemical Society
 DT Journal
 LA English
 AB Synthetic approaches to a variety of substituted glycoluril compds. are presented herein. We have applied several of these compds. in the solution-phase synthesis of combinatorial libraries, and we have developed

methods to differentiate individual reaction sites for the stepwise synthesis of individual polyfunctionalized compds.

IT 229623-68-1P

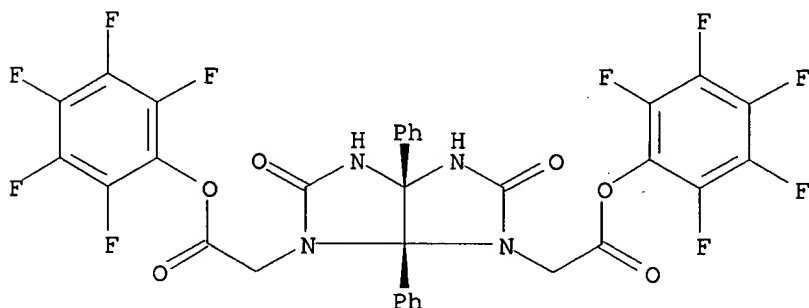
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction with leucine ester)

RN 229623-68-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 229623-65-8

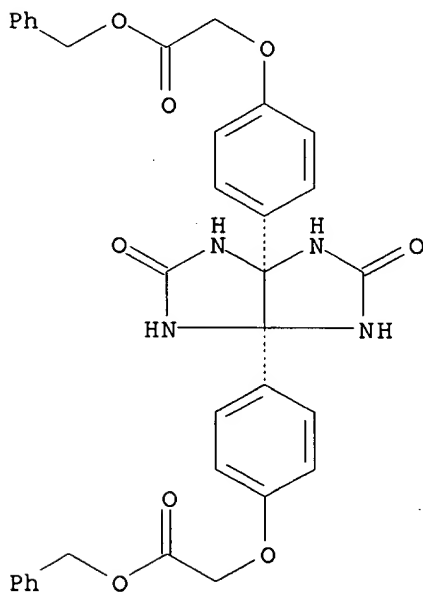
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation and saponification of)

RN 229623-65-8 CAPLUS

CN Acetic acid, 2,2'-[(cis-tetrahydro-2,5-dioxoimidazo[4,5-d]imidazole-3a,6a(1H,4H)-diyl)bis(4,1-phenyleneoxy)]bis-, bis(phenylmethyl) ester (9CI) (CA INDEX NAME)

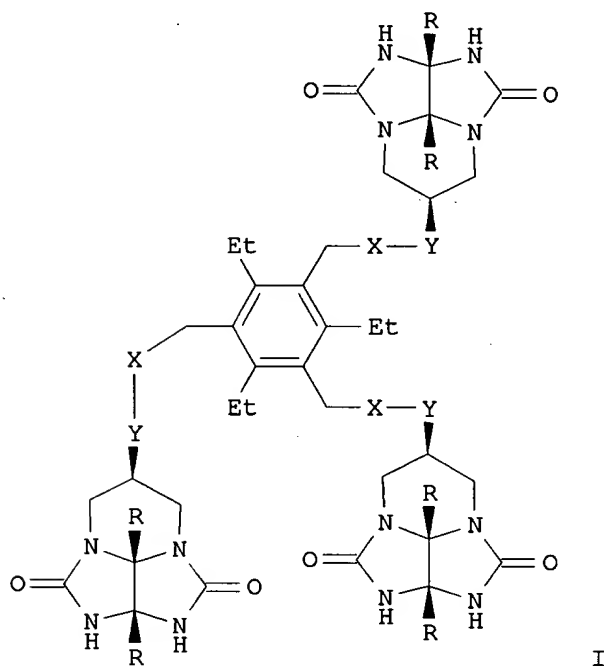
Relative stereochemistry.



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:67124 CAPLUS
 DN 130:196606
 TI Self-assembling sieves
 AU Szabo, Tomas; O'Leary, Brendan M.; Rebek, Julius, Jr.
 CS The Skaggs Institute for Chemical Biology The Scripps Research Institute,
 La Jolla, CA, 92037, USA
 SO Angewandte Chemie, International Edition (1999), Volume Date 1998, 37(24),
 3410-3413
 CODEN: ACIEF5; ISSN: 1433-7851
 PB Wiley-VCH Verlag GmbH
 DT Journal
 LA English
 GI



AB The host mols. I [X = NH, Y = CO; X = CO, Y = NH; R = 4-Me(CH₂)₆C₆H₄] were prepared I form self-associated dimers which in turn associate with a variety of guest mols.

IT **220759-11-5P 220759-21-7P**

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation, self-association, and host-guest complexation of
 benzenetris(acetylamino-tetraazatricyclododecanedione))

RN 220759-11-5 CAPLUS

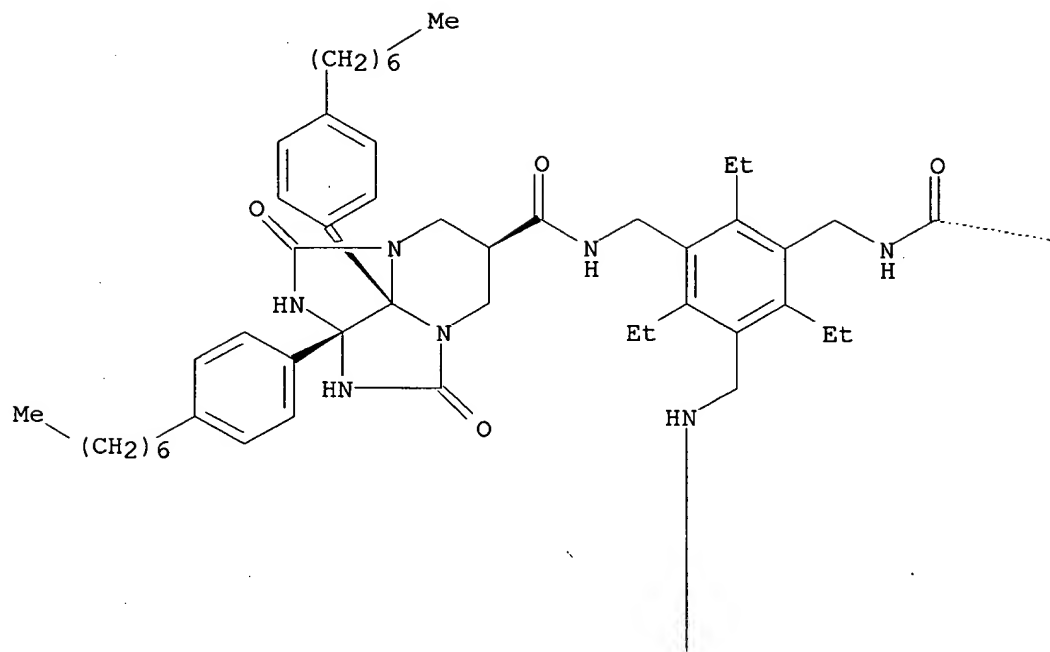
CN 5H-2,3,4a,7a-Tetraazacyclopent[cd]indene-6-carboxamide,
 N,N',N''-[(2,4,6-triethyl-1,3,5-benzenetriyl) tris(methylene)] tris[2a,7b-
 bis(4-heptylphenyl)octahydro-1,4-dioxo-, (2α,2'α,2''α
 ,6α,6'α,6''α,7β,7'β,7''β)-, compd.
 with tricyclo[8.2.2.24,7]hexadeca-4,6,10,12,13,15-hexaene (2:1) (9CI) (CA
 INDEX NAME)

CM 1

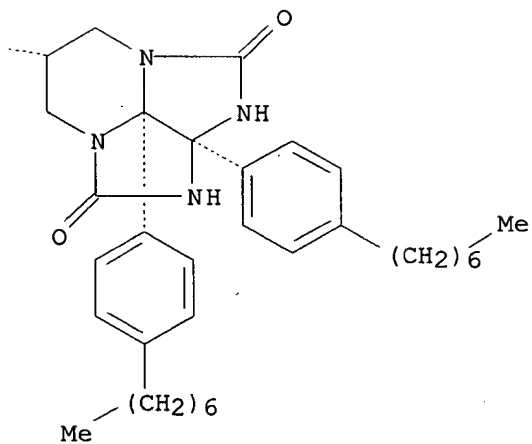
CRN 220759-06-8

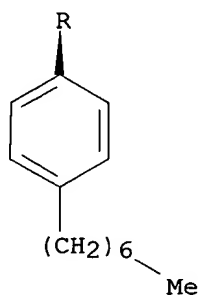
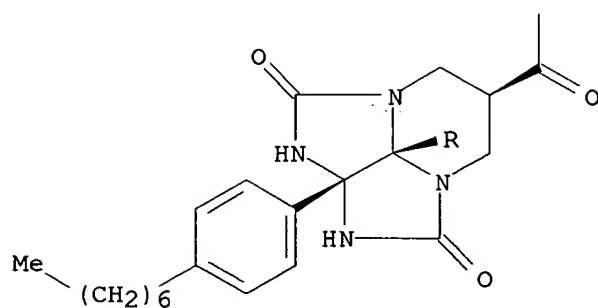
Relative stereochemistry.

PAGE 1-A



PAGE 1-B

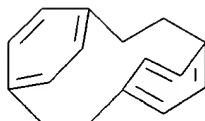




CM 2

CRN 1633-22-3

CMF C16 H16



RN 220759-21-7 CAPLUS

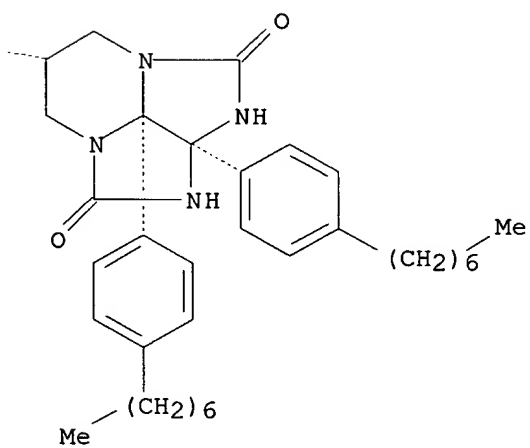
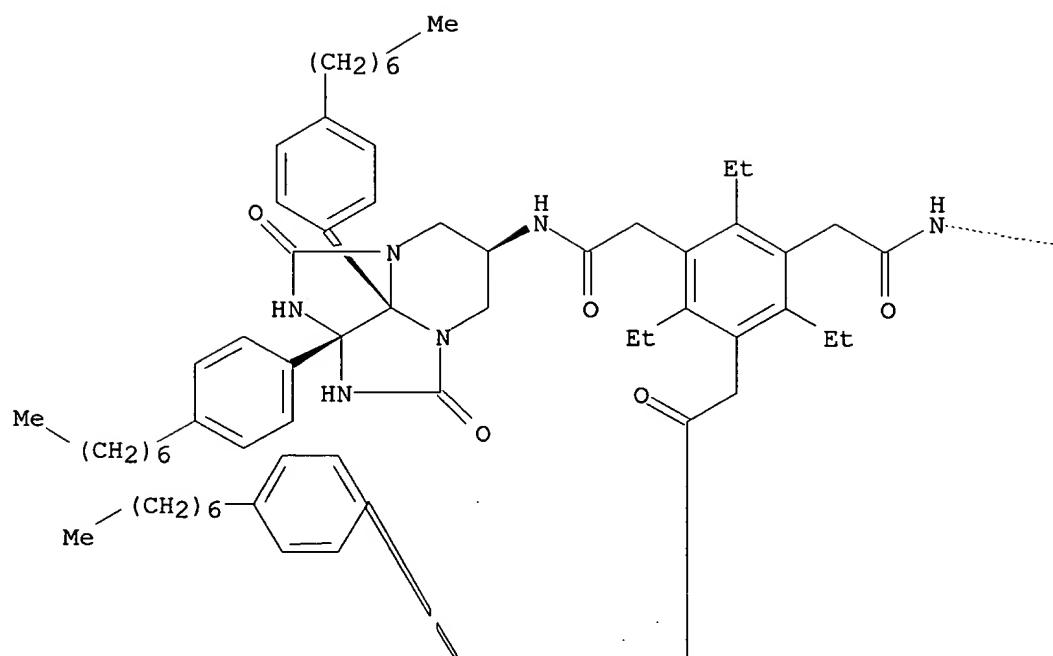
CN Ferrocene, 1,1'-dimethyl-, compd. with N,N',N''-tris[(2 α ,6 α ,7 β)-2a,7b-bis(4-heptylphenyl)octahydro-1,4-dioxo-5H-2,3,4a,7a-tetraazacyclopent[cd]inden-6-yl]-2,4,6-triethyl-1,3,5-benzenetriacetamide (1:2) (9CI) (CA INDEX NAME)

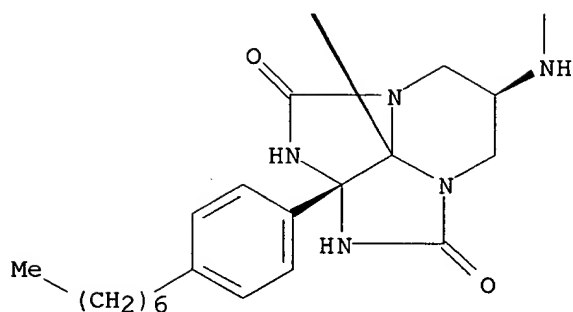
CM 1

CRN 220759-07-9

CMF C117 H159 N15 O9

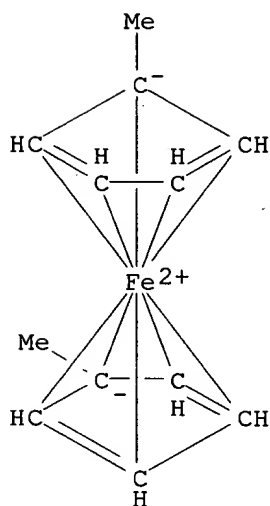
Relative stereochemistry.





CM 2

CRN 1291-47-0
 CMF C12 H14 Fe
 CCI CCS



RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:606230 CAPLUS
 DN 129:275607
 TI Molecular assembly and encapsulation directed by hydrogen-bonding preferences and the filling of space
 AU Martin, Tomas; Obst, Ulrike; Rebek, Julius, Jr.
 CS Skaggs Inst. for Chem. Biol. and Dep. Chemistry, Scripps Res. Inst., La Jolla, CA, 92037, USA
 SO Science (Washington, D. C.) (1998), 281(5384), 1842-1845
 CODEN: SCIEAS; ISSN: 0036-8075
 PB American Association for the Advancement of Science
 DT Journal
 LA English
 AB Multiple copies of a mol., held together in finite aggregates, give rise to properties and functions that are unique to their assembled states. Because these aggregates are held together by weak forces operating over short distances, a premium is placed on complementarity: The mol. surfaces

must facilitate specific interactions that direct the assembly to one aggregate rather than another. Hydrogen-bonding preferences can be combined with mol. curvature to favor the assembly of four self-complementary subunits into a pseudo-spherical capsule. Filling the capsule with smaller, complementary mols. provides the final instruction for the assembly process.

IT 213816-11-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

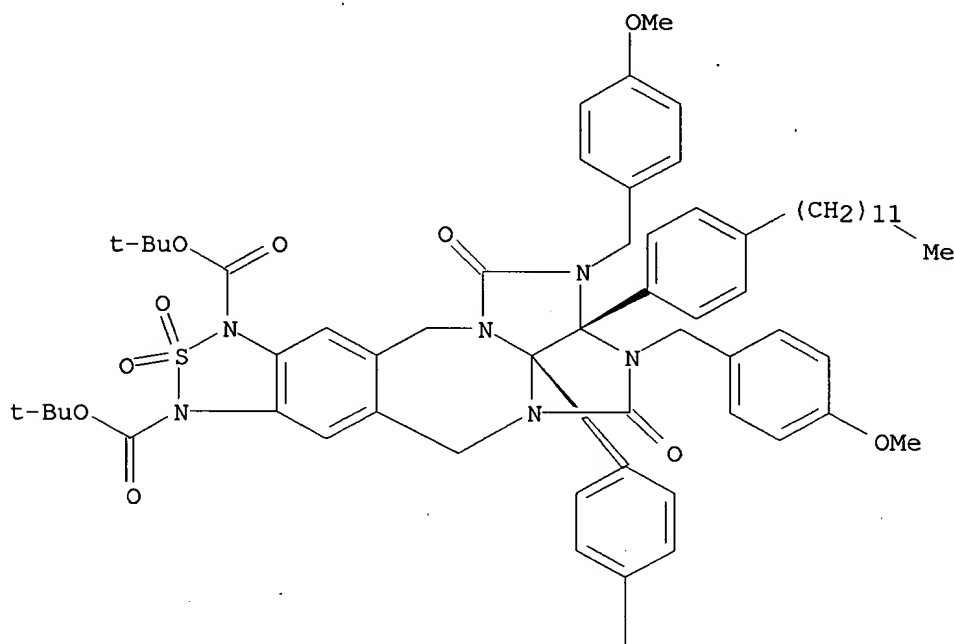
(mol. assembly and encapsulation directed by hydrogen-bonding preferences and the filling of space)

RN 213816-11-6 CAPLUS

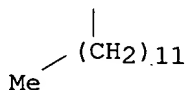
CN 7H,9H-8-Thia-2,3,4a,7,9,11a-hexaazacyclopent[cd]indeno[5,6-g]azulene-7,9-dicarboxylic acid, 2a,11b-bis(4-dodecylphenyl)-1,2,2a,3,4,5,11,11b-octahydro-2,3-bis[(4-methoxyphenyl)methyl]-1,4-dioxo-, bis(1,1-dimethylethyl) ester, 8,8-dioxide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:553481 CAPLUS

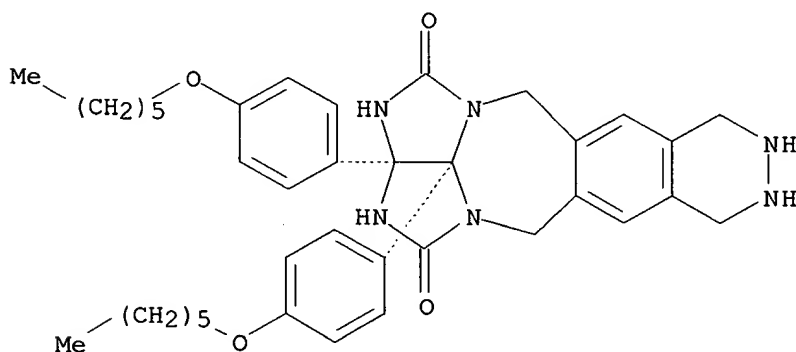
DN 129:275505

TI Solvent controls synthesis and properties of supramolecular structures

AU Tokunaga, Yuji; Rudkevich, Dmitry M.; Santamaria, Javier; Hilmersson,

Goran; Rebek, Julius, Jr.
 CS The Skaggs Institute for Chemical Biology and The Department of Chemistry,
 La Jolla, CA, 92037, USA
 SO Chemistry--A European Journal (1998), 4(8), 1449-1457
 CODEN: CEUJED; ISSN: 0947-6539
 PB Wiley-VCH Verlag GmbH
 DT Journal
 LA English
 OS CASREACT 129:275505
 AB A template effect by solvent was found in the synthesis of self-assembled capsules from polycyclic hydrazine derivs. and bicyclic tetracarboxylate esters. Use of aromatic solvents such as C₆H₆, PhMe, and p-xylene leads predominantly to the formation of C-shaped mols., which form H-bonded dimeric capsules. This is the medium in which the solvent-occupied dimeric capsule enjoys the greatest stability, and the best solvated surfaces with properly filled niches are formed preferentially. The dimerization constant (KD) value and a ΔG^0 value of >14.0 kcal mol⁻¹ for H-bonded dimeric capsules were estimated for the 1st time in guest-exchange expts. When solvents not suitable for dimerization (CHCl₃ and CH₂Cl₂) or those solvents that compete for H bonds (DMSO and THF) were used, only statistical yields of the stereoisomers (C-, S-, and W-shaped) were observed. Exptl. evidence is presented that the solvent mols. control the covalent bond formation through mol. recognition within the monomeric tetrahedral intermediate. Solvation effects can be treated as a subset of mol.-recognition events.
 IT **213416-95-6**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (solvent-controlled synthesis and properties of supramol. structures)
 RN 213416-95-6 CAPLUS
 CN 2,3,4a,8,9,12a-Hexaazacyclopenta[cd]naphth[2,3-g]azulene-1,4(2H,3H)-dione, 2a,12b-bis[4-(hexyloxy)phenyl]-2a,5,7,8,9,10,12,12b-octahydro-, monohydrochloride, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:559899 CAPLUS
 DN 127:270758
 TI Induction of liquid-crystallinity in molecular clips by binding of different guest molecules
 AU Van Nunen, Johanna L. M.; Nolte, Roeland J. M.

CS Department of Organic Chemistry, NSR Center, University of Nijmegen,
Nijmegen, 6525 ED, Neth.

SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic
Chemistry (1997), (8), 1473-1478
CODEN: JCPKBH; ISSN: 0300-9580

PB Royal Society of Chemistry

DT Journal

LA English

AB The use of clip mols. based on diphenyl- and dimethylglycoluril as
building blocks for liquid-crystalline materials is described. The synthesis
was performed by an esterification of hydroxy-derived clip mols. with
trialkoxybenzoyl chloride. ¹H NMR titrns. show that these mols., despite
the steric crowding, are still able to bind guest mols. in the cleft. The
clip mols. show no liquid-crystalline properties, except those based on
dimethylglycoluril. However, clips with alkyl chains of at least ten C
atoms display liquid-crystalline behavior upon binding of guest mols., which
can be tuned by the substituent of the guest mols.

IT **196300-58-0P**
RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN
(Synthetic preparation); PREP (Preparation); PROC (Process)
(preparation and liquid crystal properties of)

RN 196300-58-0 CAPLUS

CN Benzoic acid, 3,4,5-tris(dodecyloxy)-, 17b,17c-dihydro-8,17-dioxo-17b,17c-
diphenyl-7H,8H,9H,16H,17H,18H-7a,8a,16a,17a-tetraazapentaleno[1'',6'':5,6,
7;3'',4'':5',6',7']dicycloocta[1,2,3-de:1',2',3'-d'e']dinaphthalene-
1,6,10,15-tetrayl ester, cis-, compd. with 1,3-benzenediol (1:1) (9CI)
(CA INDEX NAME)

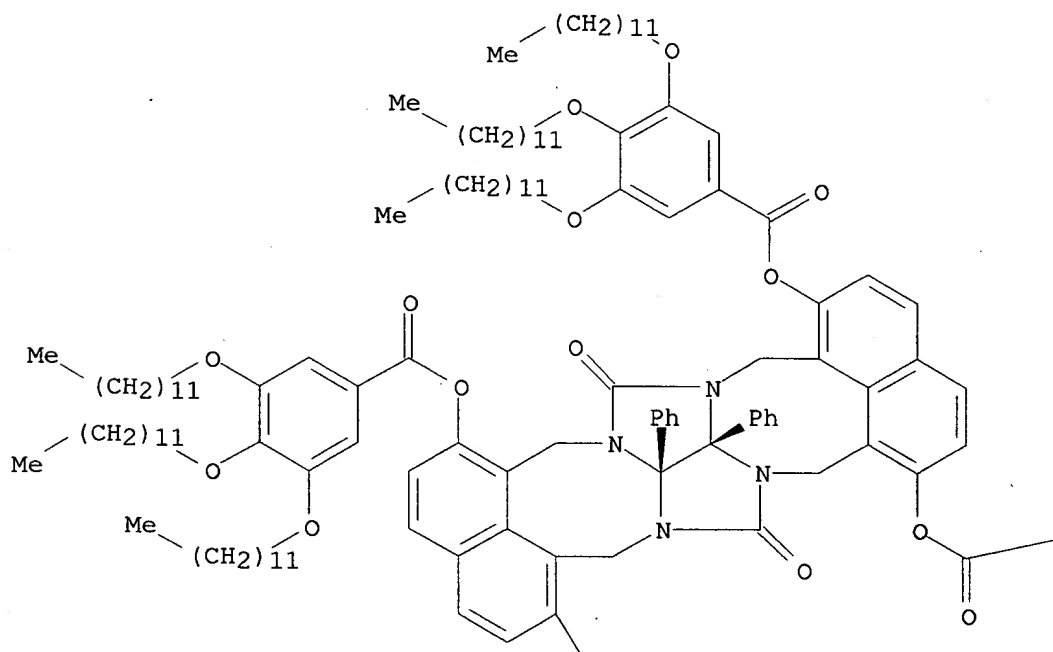
CM 1

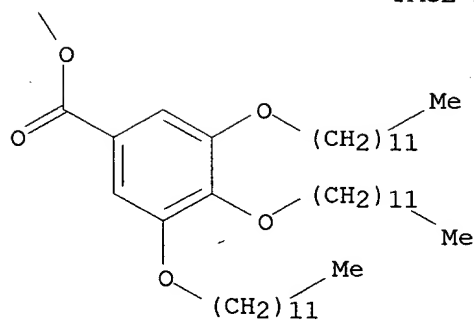
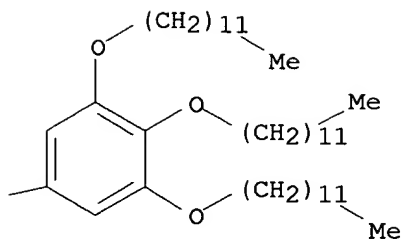
CRN 196300-49-9

CMF C212 H334 N4 O22

Relative stereochemistry.

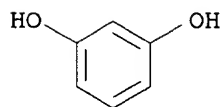
PAGE 1-A





CM 2

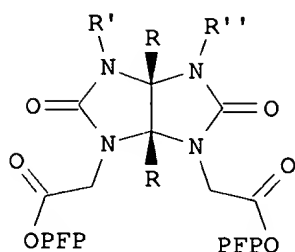
CRN 108-46-3
CMF C6 H6 O2



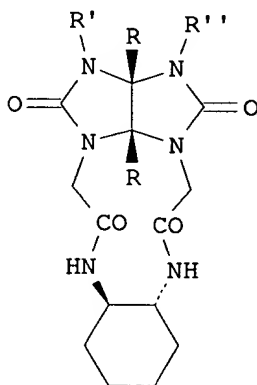
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:319264 CAPLUS
DN 127:17285
TI Chemical selection and self-assembly in a cyclization reaction

AU Rudkevich, Dmitry M.; Rebek, Julius, Jr.
 CS Skaggs Inst. Chemical Biology, Scripps Research Inst., La Jolla, CA,
 92037, USA
 SO Angewandte Chemie, International Edition in English (1997), 36(8), 846-848
 CODEN: ACIEAY; ISSN: 0570-0833
 PB VCH
 DT Journal
 LA English
 GI



I



II

AB The cyclization reaction of glycourils I (PFP = pentafluorophenyl; $R' = R'' = H$; $R = 4\text{-MeC}_6\text{H}_4$, $4\text{-MeOC}_6\text{H}_4$) with trans-1,2-diaminocyclohexane in concentrated solns. afforded diamides II in 50-55% yields; II demonstrated dimerization consts. of $> 105 \text{ M}$, with dimeric structures maintained by four intermol. H bonds. When the glycouril N-H protons are protected by BOC groups ($R, R' = \text{BOC}$), the corresponding II structures were only minor components; a direct competition using 1:1 mixture of I ($R' = R'' = H$; $R = 4\text{-MeC}_6\text{H}_4$) and I ($R' = H$, $R'' = \text{BOC}$; $R = 4\text{-MeC}_6\text{H}_4$) led a ratio of II ($R' = R'' = H$; $R = 4\text{-MeC}_6\text{H}_4$)/II ($R' = H$, $R'' = \text{BOC}$; $R = 4\text{-MeC}_6\text{H}_4$) $> 3:1$. Thus, recognition plays a role in the synthesis of II ($R = R' = H$). This chemical selection is attributed to a template effect, in which the reaction product recognizes the monoamide intermediate by H bonding, restricting internal rotations and positioning the remaining amino group for the cyclization transition state.

IT 190436-00-1P

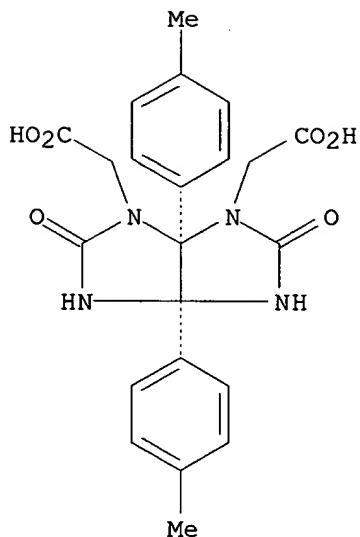
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(chemical selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190436-00-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



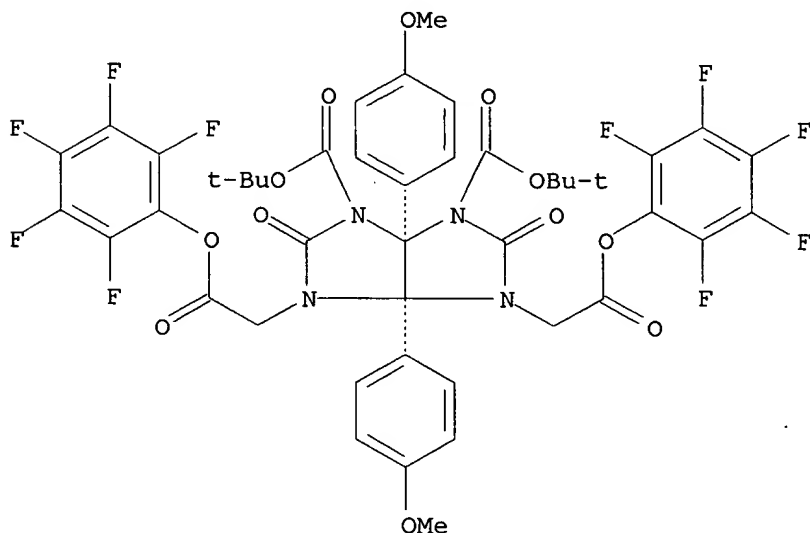
IT 190436-04-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(chemical selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190436-04-5 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, 3,4-bis[(1,1-dimethylethoxy)carbonyl]hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN

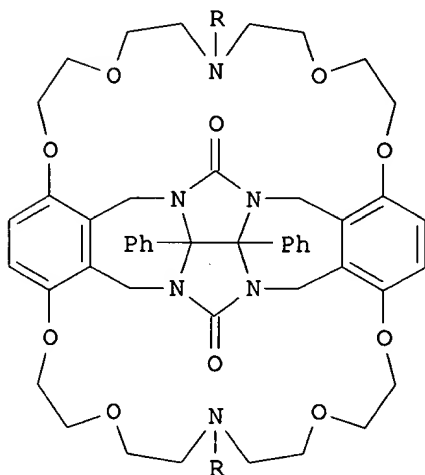
AN 1996:592043 CAPLUS

DN 125:328687

TI Receptors functionalized with chiral aza-crown ether rings. Attempted enantioselective catalysis of a Michael addition reaction

AU Schuurman, Ruud J. W.; Grimbergen, Reinier F. P.; Scheeren, Hans W.;

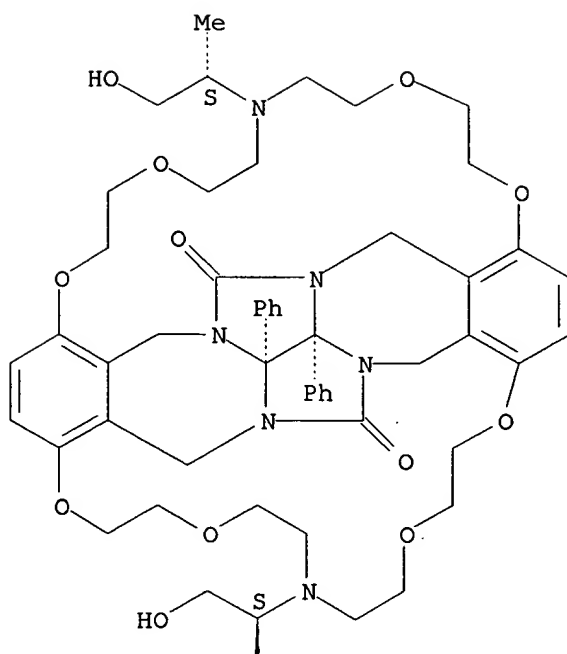
Nolte, Roeland J. M.
 CS Department of Organic Chemistry, University of Nijmegen, Nijmegen, Neth.
 SO Recueil des Travaux Chimiques des Pays-Bas (1996), 115(7/8), 357-362
 CODEN: RTCPA3; ISSN: 0165-0513
 PB Elsevier
 DT Journal
 LA English
 GI



I

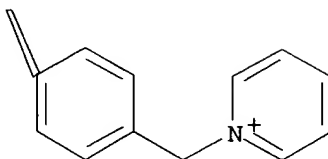
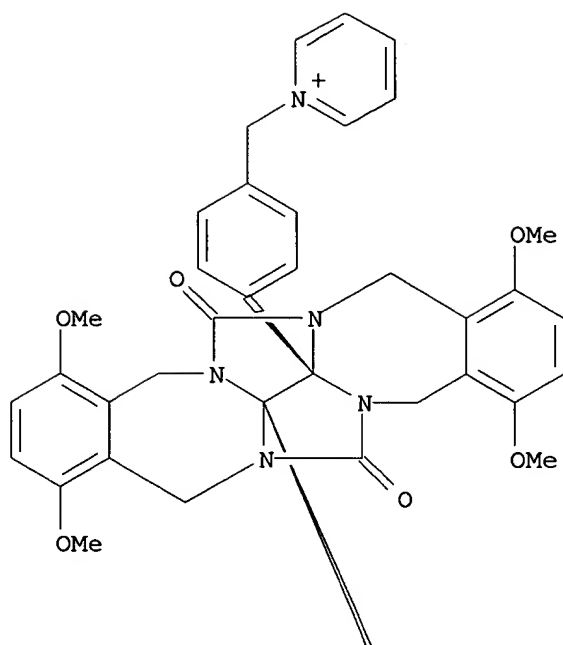
- AB A series of receptors functionalized with chiral aza-crown ether rings I [R = (S)-HOCH₂CHMe, (R)-HOCH₂CHMe, (S)-HOCH₂CH₂CHMe, (R)-HOCH₂CHPh, (S)-PhCHMe, etc.] was synthesized. These compds. were studied as enantiopure catalysts for the addition of benzenethiols to cyclohex-2-en-1-one. Binding of 4-hydroxybenzenethiol in these mols. allows for orientation of the thiol with respect to an asym. catalytic site. This orientation was, however, found to be counterproductive for enantioselective catalysis.
- IT **183211-90-7P**
 RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation);
 USES (Uses)
 (preparation of chiral aza crown ether catalysts and attempted catalytic enantioselective Michael addition)
- RN 183211-90-7 CAPLUS
- CN 1H, 4H-6, 37:20, 23-Dietheno-2, 22:3, 21-dimethano-5H, 11H, 28H, 38H-7, 10, 16, 19, 24, 27, 33, 36-octaoxa-2, 3, 4a, 13, 30, 38a-hexaazacyclopenta[cd]cyclotetratriacont[g]azulene-1, 4-dione, 2a, 8, 9, 12, 13, 14, 15, 17, 18, 25, 26, 29, 30, 31, 32, 34, 35, 38b-octadecahydro-13, 30-bis(2-hydroxy-1-methylethyl)-2a, 38b-diphenyl-, stereoisomer (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1996:154273 CAPLUS
 DN 124:316428
 TI Novel water soluble molecular clips. Towards nanostructures with controlled shape
 AU Reek, Joost N. H.; Kros, Alexander; Nolte, Roeland J. M.
 CS Dep. Org. Chem., Univ. Nijmegen, Nijmegen, 6525 ED, Neth.
 SO Chemical Communications (Cambridge) (1996), (2), 245-7
 CODEN: CHCOFS; ISSN: 1359-7345
 PB Royal Society of Chemistry
 DT Journal
 LA English
 AB A novel water soluble clip, which forms 'razor blade-like' aggregates in water, is described.
 IT **176243-62-2P**
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
 (nanostructures with controlled shape using water soluble mol. clips)
 RN 176243-62-2 CAPLUS
 CN Pyridinium, 1,1'-[(5,7,12,14-tetrahydro-1,4,8,11-tetramethoxy-6,13-dioxo-6H,13H-5a,6a,12a,13a-tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-13b,13c-diyl)bis(4,1-phenylenemethylene)]bis-, dibromide, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

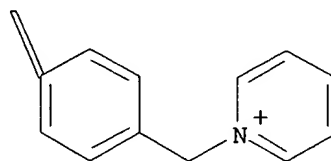
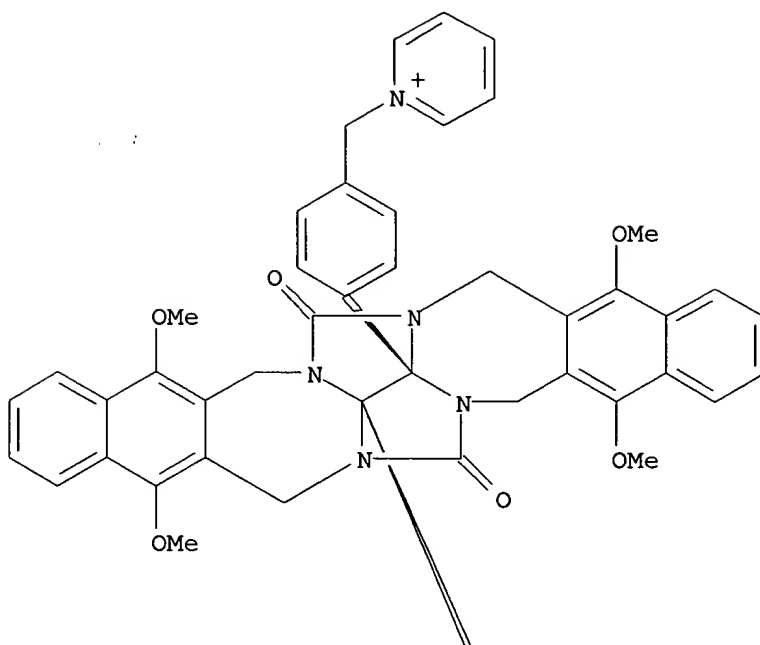
● 2 Br⁻

IT **176243-68-8P**
 RL: PNU (Preparation, unclassified); PRP (Properties); PREP (Preparation)
 (nanostructures with controlled shape using water soluble mol. clips)
 RN 176243-68-8 CAPLUS
 CN Pyridinium, 1,1'-[(6,8,15,17-tetrahydro-5,9,14,18-tetramethoxy-7,16-dioxo-
 7H,16H-6a,7a,15a,16a-tetraazanaphth[2',3':5,6]azuleno[2,1,8-ija]naphth[2,3-
 f]azulene-16b,16c-diyl)bis(4,1-phenylenemethylene)]bis-, dibromide, cis-,
 compd. with 3,7-dihydro-1,3,7-trimethyl-1H-purine-2,6-dione (1:1) (9CI)
 (CA INDEX NAME)

CM 1

CRN 176243-63-3
 CMF C56 H50 N6 O6 . 2 Br

Relative stereochemistry.

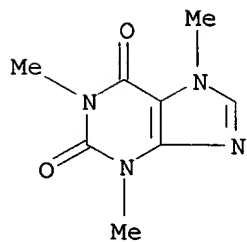


● 2 Br⁻

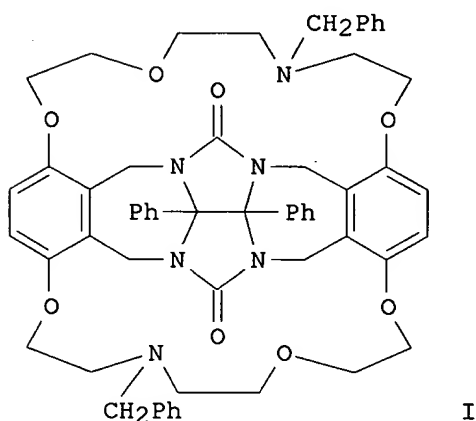
CM 2

CRN 58-08-2

CMF C8 H10 N4 O2



DN 123:83342
 TI Preparation of chiral basket-shaped host compounds derived from
 diphenylglycoluril
 AU Coolen, H. K. A. C.; Engelkamp, H.; Reek, J. N. H.; Priem, A. H.; van
 Leeuwen, P. W. N. M.; Nolte, R. J. M.
 CS Department of Organic Chemistry, University of Nijmegen, Nijmegen, 6525
 ED, Neth.
 SO Recueil des Travaux Chimiques des Pays-Bas (1995), 114(2), 65-71
 CODEN: RTCPA3; ISSN: 0165-0513
 PB Elsevier
 DT Journal
 LA English
 OS CASREACT 123:83342
 GI



AB The design and synthesis of two novel chiral receptors derived from
 diphenylglycoluril are described. The chirality in these mols. is due to
 the unsym. positioning of amino functions in the crown ether rings with
 respect to the diphenylglycoluril subunit. (+)-5,7,12,13B,13c,14-
 hexahydro-1,8-(or 4,11)-bis[2-(2-chloroethoxy)]13b,13c-diphenyl-6H,13H-
 5 α ,6 α ,12 α ,13 α -tetraazabenz[5,6][2,1,8-
 ija]benz[f]azulene-6,13-dione (preparation given) benzylamine, Na₂CO₃, and NaI
 in MeCN to give the title compound I.

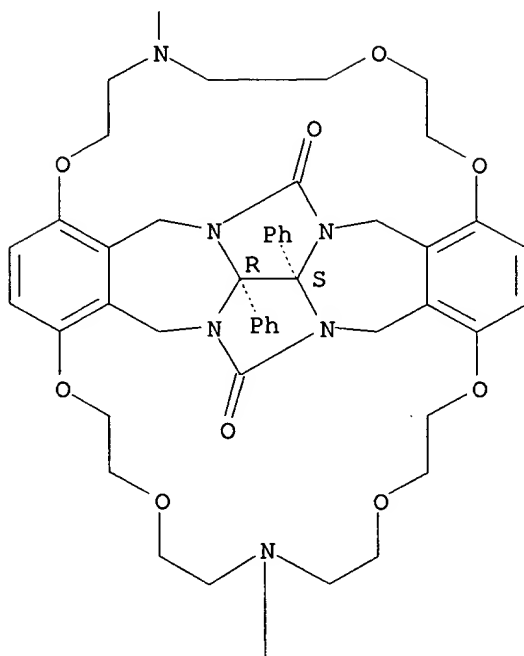
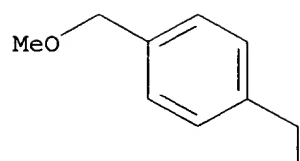
IT **165274-94-2P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

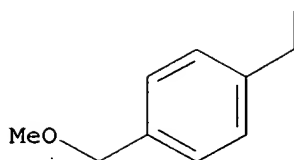
(preparation of chiral basket-shaped host compds. derived from
 diphenylglycoluril)

RN 165274-94-2 CAPLUS

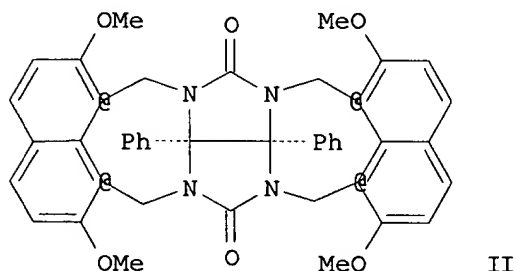
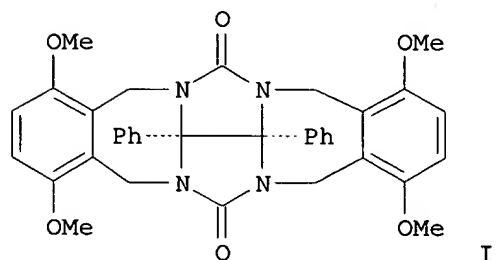
CN 1H,4H-6,34:20,23-Dietheno-2,22:3,21-dimethano-5H,11H,28H,35H-
 7,10,16,19,24,27,33-hepta-2,3,4a,13,30,35a-
 hexaazacyclohentaconta[g]cyclopent[cd]azulene-1,4-dione,
 2a,8,9,12,13,14,15,17,18,25,26,29,30,31,32,35b-hexadecahydro-13,30-bis[[4-
 (methoxymethyl)phenyl]methyl]-2a,35b-diphenyl-, cis- (9CI) (CA INDEX
 NAME)

Relative stereochemistry.





L3 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:71061 CAPLUS
 DN 123:82740
 TI Structural and dynamic features of molecular clips derived from
 diphenylglycoluril
 AU Reek, J. N. H.; Sijbesma, R. P.; Nolte, R. J. M.
 CS NSR Center, University Nijmegen, Nijmegen, 6525 ED, Neth.
 SO NATO ASI Series, Series C: Mathematical and Physical Sciences (1994),
 426 (COMPUTATIONAL APPROACHES IN SUPRAMOLECULAR CHEMISTRY), 205-19
 CODEN: NSCSDW; ISSN: 0258-2023
 DT Journal
 LA English
 GI



AB A diphenylglycoluril mol. is functionalized with different aromatic walls to give receptor mols. that are clip-shaped. In the case where benzene derivs. are used to form the walls (e.g. I), conformationally rigid clips are obtained, whereas with naphthalene walls (e.g. II) the clips can adopt different conformations. Both types of host mols. can bind aromatic guests by hydrogen bonding and π - π stacking interactions. A detailed study of the structures and binding properties of the receptor mols. is presented.

IT **165109-24-0P**

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (association const measured by NMR)

RN 165109-24-0 CAPLUS

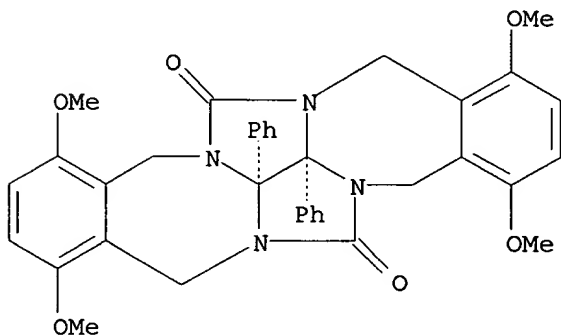
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl-, cis-, compd. with 5-pentyl-1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 106319-03-3

CMF C36 H34 N4 O6

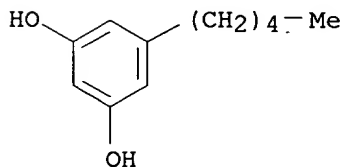
Relative stereochemistry.



CM 2

CRN 500-66-3

CMF C11 H16 O2



L3 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1989:477983 CAPLUS

DN 111:77983

TI Synthesis and binding properties of basket-shaped hosts

AU Smeets, Jan W. H.; Sijbesma, Rint P.; Van Dalen, Lydia; Spek, Anthony L.; Smeets, Wilberth J. J.; Nolte, Roeland J. M.

CS Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH, Neth.

SO Journal of Organic Chemistry (1989), 54(15), 3710-17

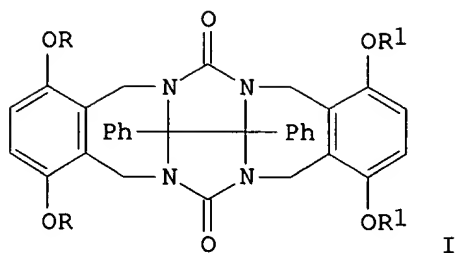
CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

OS CASREACT 111:77983

GI



AB A novel, concave building block I ($R = R1 = H$) for the synthesis of organic hosts is described. Basket-shaped hosts I [$RR1 = (CH2)6$, $(CH2CH2O)nCH2CH2$; $n = 2-4$] are constructed by attaching bridges to the xylylene rings of I ($R = R1 = H$). The new hosts are strong binders of aliphatic and aromatic diammonium guests. According to $1H$ -NMR these guests are stretched out in the baskets. Alkali metal ions are bound in a 1:1 or 1:2 host-guest ratio. In the 1:1 complex, the metal ion is completely encapsulated by the host in a clamshell-like fashion. The 1:2 complex is assumed to have an open structure.

IT **121619-35-0P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, dissociation constant, and free energy of binding of)

RN 121619-35-0 CAPLUS

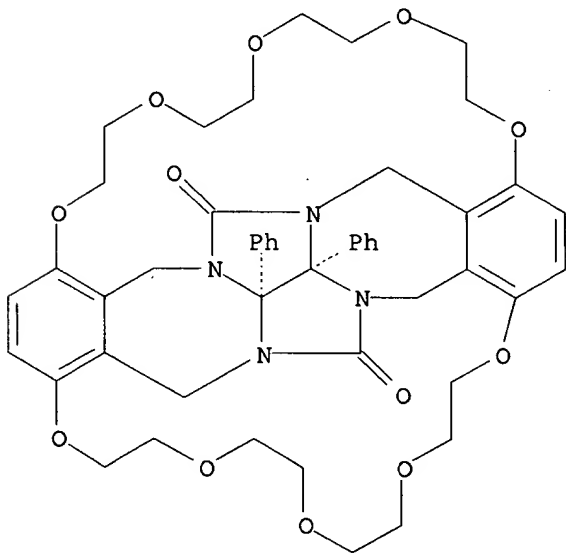
CN 1H, 4H-6, 37:20, 23-Dietheno-2, 22:3, 21-dimethano-5H, 38H-7, 10, 13, 16, 19, 24, 27, 30, 33, 36-decaoxa-2, 3, 4a, 38a-tetraazacyclopenta[cd]cyclotetratetriacont[g]azulene-1, 4-dione, 2a, 8, 9, 11, 12, 14, 15, 17, 18, 25, 26, 28, 29, 31, 32, 34, 35, 38b-octadecaahydro-2a, 38b-diphenyl-, compd. with methanamine and 2, 4, 6-trinitrophenol (1:1:1). (9CI)
(CA INDEX NAME)

CM 1

CRN 106319-05-5

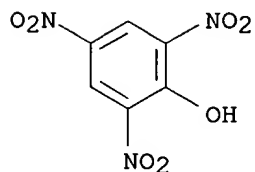
CMF C48 H54 N4 O12

Relative stereochemistry.



CM 2

CRN 88-89-1
CMF C6 H3 N3 O7



CM 3

CRN 74-89-5
CMF C H5 N

H₃C-NH₂

=> file registry

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ENTRY

SESSION

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DICTIONARY FILE UPDATES: 31 OCT 2004 HIGHEST RN 773042-36-7

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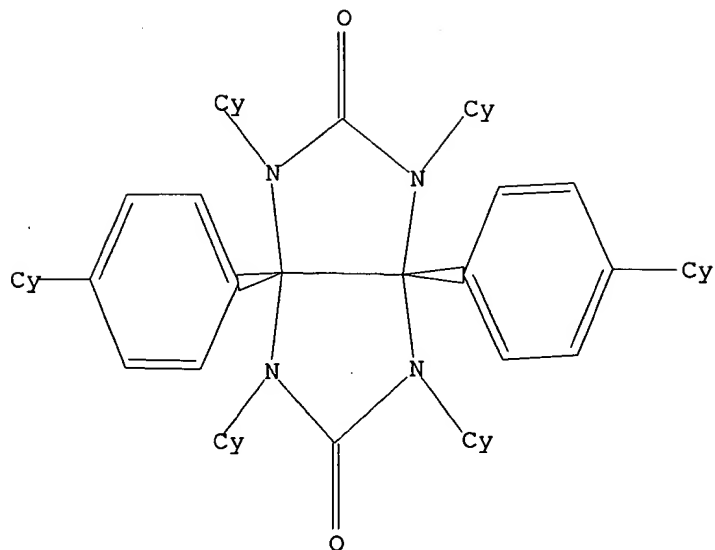
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\09246468\cy.str

L4 STRUCTURE UPLOADED

=> d
 L4 HAS NO ANSWERS
 L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s full
 ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):L4
 FULL SEARCH INITIATED 19:20:59 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1248 TO ITERATE

100.0% PROCESSED 1248 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L4

=> s L4 full
 FULL SEARCH INITIATED 19:21:11 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 1248 TO ITERATE

100.0% PROCESSED 1248 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=> logoff y		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	310.84	402.07
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-11.90

STN INTERNATIONAL LOGOFF AT 19:21:21 ON 01 NOV 2004

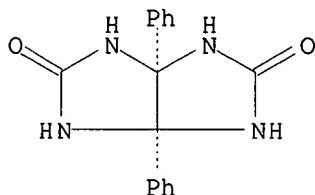
PROCESSING COMPLETED FOR L8
L9 46 DUP REM L8 (0 DUPLICATES REMOVED)

=> d ibib hitstr 1-

YOU HAVE REQUESTED DATA FROM 46 ANSWERS - CONTINUE? Y/(N):y

L9 ANSWER 1 OF 46 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 2000:182721 CAPLUS
TITLE: Development of synthetic self-assembling molecular capsule: from flexible spacer to rigid spacer
AUTHOR(S): Kang, Jongmin; Meissner, Robert S.; Wyler, Rene; De Mendoza, Javier; Rebek, Julius, Jr.
CORPORATE SOURCE: Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Bull. Korean Chem. Soc. (2000), 21(2), 221-227
CODEN: BKCSDE; ISSN: 0253-2964
PUBLISHER: Korean Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT INDEXING IN PROGRESS
IT 101241-21-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. of self-assembling mol. capsule)
RN 101241-21-8 CAPLUS
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 15
REFERENCE(S): (1) Butler, A; J Chem Soc Perkin Trans 2 1980, P103 CAPLUS
(3) Collet, A; Tetrahedron 1987, V43, P5725 CAPLUS
(4) Cram, D; J Am Chem Soc 1992, V114, P7748 CAPLUS
(5) Cram, D; J Am Chem Soc 1992, V114, P7765 CAPLUS
(6) Kang, J; J Am Chem Soc 1998, V120, P3650 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 46 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1999:407100 CAPLUS
DOCUMENT NUMBER: 131:74501
TITLE: 1,3,4,6-tetraallylglycolurils as intermediates for fireproofing agents for resins and their manufacture
INVENTOR(S): Miura, Shozo; Yano, Tomoko; Kano, Naoki
PATENT ASSIGNEE(S): Shikoku Chemicals Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11171887	A2	19990629	JP 1997-362604	19971212

OTHER SOURCE(S): MARPAT 131:74501

IT 5157-15-3

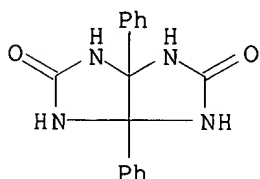
RL: RCT (Reactant)

(manuf. of tetraallylglycolurils as intermediates for fireproofing agents for resins)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)

(CA INDEX NAME)



L9 ANSWER 3 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1998:308946 CAPLUS

DOCUMENT NUMBER: 129:40766

TITLE: Conformational behavior and binding properties of naphthalene-walled clips

AUTHOR(S): Reek, Joost N. H.; Engelkam, Hans; Rowan, Alan E.; Elemans, Johannes A. A. W.; Nolte, Roeland J. M.

CORPORATE SOURCE: Dep. Organic Chem., NSR Center Univ. Nijmegen, Nijmegen, 6525 ED, Neth.

SOURCE: Chem.--Eur. J. (1998), 4(4), 716-722

CODEN: CEUJED; ISSN: 0947-6539

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 5157-15-3

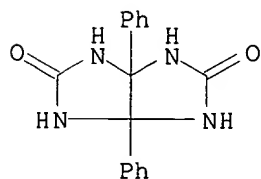
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)

(conformational behavior and binding properties of naphthalene-walled clips)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)

(CA INDEX NAME)



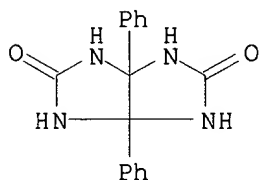
L9 ANSWER 4 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1998:729064 CAPLUS

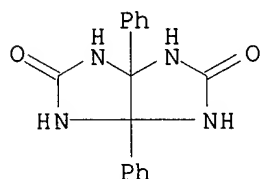
DOCUMENT NUMBER: 130:90089

TITLE: Quantitative structure-activity relations for

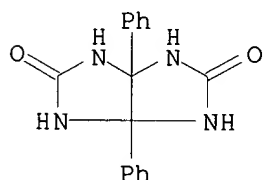
phenobarbital-type cytochrome P-450 inducers
 AUTHOR(S): Khlebnikov, A. I.; Naboka, O. I.; Akhmedzhanov, R.
 R.;
 CORPORATE SOURCE: Novozheeva, T. P.; Saratkov, A. S.
 Altai. Gos. Tekh. Univ. im. I.I. Polzunova, Barnaul,
 Russia
 SOURCE: Khim.-Farm. Zh. (1998), 32(7), 35-41
 CODEN: KHFZAN; ISSN: 0023-1134
 PUBLISHER: Izdatel'stvo Folium
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 5157-15-3
 RL: BAC (Biological activity or effector, except adverse); PRP
 (Properties); BIOL (Biological study)
 (quant. structure-activity relations for phenobarbital-type cytochrome
 P 450 inducers)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L9 ANSWER 5 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:664796 CAPLUS
 DOCUMENT NUMBER: 127:331139
 TITLE: Binding features of molecular clips. Separation of
 the effects of hydrogen bonding and .pi.-.pi.
 interactions
 AUTHOR(S): Reek, Joost N. H.; Priem, Alex H.; Engelkamp, Hans;
 Rowan, Alan E.; Elemans, Johannes A. A. W.; Nolte,
 Roeland J. M.
 CORPORATE SOURCE: Department of Organic Chemistry NSR Center,
 University of Nijmegen, Nijmegen, 6525 ED, Neth.
 SOURCE: J. Am. Chem. Soc. (1997), 119(42), 9956-9964
 CODEN: JACSAT; ISSN: 0002-7863
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 5157-15-3D, Diphenylglycoluril, derivs.
 RL: MSC (Miscellaneous)
 (sepn. of effects of hydrogen bonding and .pi.-.pi. interactions in
 binding features of mol. clips)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)

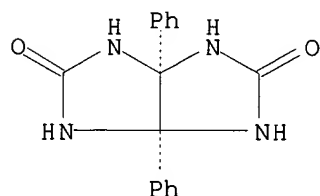


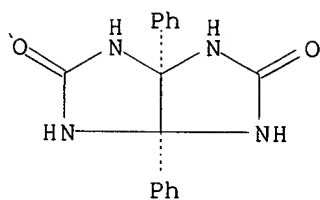
L9 ANSWER 6 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:231033 CAPLUS
 DOCUMENT NUMBER: 126:238362
 TITLE: Synthesis, Conformational Analysis, and Binding Properties of Molecular Clips with Two Different Side Walls
 AUTHOR(S): Reek, Joost N. H.; Elemans, Johannes A. A. W.; Nolte, Roeland J. M.
 CORPORATE SOURCE: Department of Organic Chemistry NSR Center, University of Nijmegen, Nijmegen, 6525 ED, Neth.
 SOURCE: J. Org. Chem. (1997), 62(7), 2234-2243
 CODEN: JOCEAH; ISSN: 0022-3263
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT **5157-15-3**, Diphenylglycoluril
 RL: RCT (Reactant)
 (mol. clips with two different side walls)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L9 ANSWER 7 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1996:744300 CAPLUS
 DOCUMENT NUMBER: 126:89051
 TITLE: Synthesis and Assembly of New Molecular Hosts: Solvation and the Energetics of Encapsulation
 AUTHOR(S): Meissner, R.; Garcias, X.; Mecozzi, S.; Rebek, J., Jr.
 CORPORATE SOURCE: Department of Chemistry, Massachusetts Institute of Technology, Cambridge, MA, 02139, USA
 SOURCE: J. Am. Chem. Soc. (1997), 119(1), 77-85
 CODEN: JACSAT; ISSN: 0002-7863
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT **101241-21-8**
 RL: RCT (Reactant)
 (starting material; prepn. of softballs)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.





L9 ANSWER 8 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1997:581656 CAPLUS

DOCUMENT NUMBER: 127:287680

TITLE: Quantitative structure-activity relationships of urea derivatives that are inducers of liver cytochrome p 450. Analysis by the modified method of frontal polygons

AUTHOR(S): Khlebnikov, A. I.; Bakibaev, A. A.; Akhmedzhanov, R. R.; Novozheeva, T. P.; Saratkov, A. S.

CORPORATE SOURCE: Altai Gos. Tekh. Univ. im. Polzunova, Barnaul, Russia

SOURCE: Khim.-Farm. Zh. (1997), 31(6), 44-48

CODEN: KHFZAN; ISSN: 0023-1134

PUBLISHER: Izdatel'stvo Folium

DOCUMENT TYPE: Journal

LANGUAGE: Russian

IT 5157-15-3

RL: BAC (Biological activity or effector, except adverse); PRP

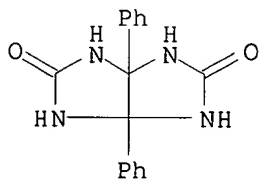
(Properties); BIOL (Biological study)

(structure-activity relationships of urea derivs. inducers of liver P 450)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)

(CA INDEX NAME)



L9 ANSWER 9 OF 46 USPATFULL

ACCESSION NUMBER: 96:20897 USPATFULL

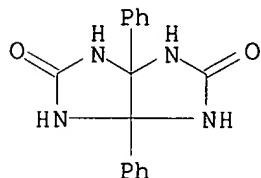
TITLE: Disinfectant for the treatment of water systems

INVENTOR(S): Jones, Ronald L., Norcross, GA, United States

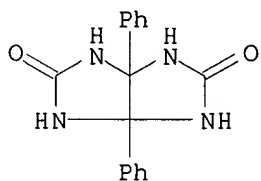
PATENT ASSIGNEE(S): Bio-Lab, Inc., Decatur, GA, United States (U.S. corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5498415	19960312
APPLICATION INFO.:	US 1994-234638	19940428 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-898293, filed on 15 Jun 1993, now abandoned which is a continuation of Ser. No. US 1991-652983, filed on 11 Feb 1991, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Levy, Neil	
LEGAL REPRESENTATIVE:	Woodard, Emhardt, Naughton, Moriarty & McNett	
NUMBER OF CLAIMS:	14	

EXEMPLARY CLAIM: 1
LINE COUNT: 477
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 5157-15-3, Diphenylglycoluril
(disinfectant contg., for water purifn.)
RN 5157-15-3 USPATFULL
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)
(CA INDEX NAME)

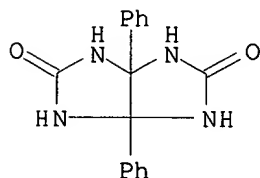


L9 ANSWER 10 OF 46 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1996:705078 CAPLUS
DOCUMENT NUMBER: 126:69184
TITLE: Development of supramolecular metalloprotein mimics
AUTHOR(S): Feiters, M. C.; Gebbink, R. J. M. Klein; Schenning, A.
CORPORATE SOURCE: P. H. J.; van Strijdonck, G. P. F.; Martens, C. F.; Nolte, R. J. M.
SOURCE: Dep. Org. Chem., Univ. Nijmegen, Nijmegen, 6525 ED, Neth.
PUBLISHER: Pure Appl. Chem. (1996), 68(11), 2163-2170
DOCUMENT TYPE: CODEN: PACHAS; ISSN: 0033-4545
LANGUAGE: Blackwell
English
IT 5157-15-3, Diphenylglycoluril
RL: NUU (Nonbiological use, unclassified); USES (Uses)
(electrochem. redox of iron-sulfur clusters encapsulated in)
RN 5157-15-3 CAPLUS
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)
(CA INDEX NAME)

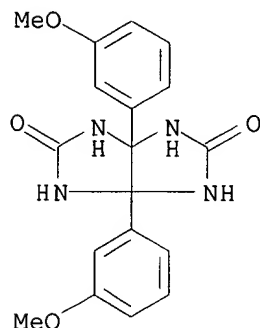


L9 ANSWER 11 OF 46 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1996:582694 CAPLUS
DOCUMENT NUMBER: 125:328559
TITLE: Condensation reactions of benzils with ureas in ethylene glycol
AUTHOR(S): Lee, Chang Kiu; Kim, Sun Hee; Kim, Yong Bun
CORPORATE SOURCE: Dep. Chem., Kangweon Natl. Univ., Chuncheon, 200-701, S. Korea
SOURCE: J. Heterocycl. Chem. (1996), 33(4), 1019-1024
DOCUMENT TYPE: CODEN: JHTCAD; ISSN: 0022-152X
LANGUAGE: Journal
English
IT 5157-15-3P 17816-41-0P

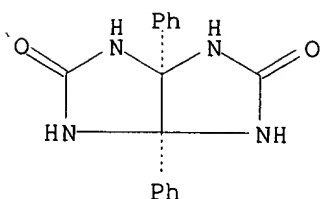
RL: SPN (Synthetic preparation); PREP (Preparation)
 (cyclocondensation of benzils with ureas to give oxazoles)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



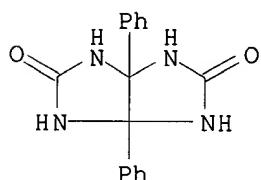
RN 17816-41-0 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L9 ANSWER 12 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1995:969212 CAPLUS
 DOCUMENT NUMBER: 124:175263
 TITLE: Autoencapsulation through intermolecular forces: a synthetic self-assembling spherical complex
 AUTHOR(S): Meissner, Robert S.; Rebek, Julius, Jr.; de Mendoza, Javier
 CORPORATE SOURCE: Dep. Chem., Massachusetts Inst. Technology, Cambridge, MA, 02139, USA
 SOURCE: Science (Washington, D. C.) (1995), 270(5241), 1485-8
 CODEN: SCIEAS; ISSN: 0036-8075
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 101241-21-8
 RL: RCT (Reactant)
 (reactant; prepn. and inclusion reaction of hydrogen-bonded dimer with guests)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis-
 (9CI) (CA INDEX NAME)
 Relative stereochemistry.



L9 ANSWER 13 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1995:918363 CAPLUS
 DOCUMENT NUMBER: 124:75523
 TITLE: Use of the frontal polygon method to analyze
 structure-activity relations for urea derivatives,
 inductors of liver cytochrome P-450
 AUTHOR(S): Khlebnikov, A. I.; Pustovoitov, A. V.; Bakibaev, A.
 A.; Akhmedzhanov, R. R.; Novozheeva, T. P.;
 Saratkov,
 A. S.
 CORPORATE SOURCE: Altai. Gos. Tekh. Univ., Barnaul, Russia
 SOURCE: Khim.-Farm. Zh. (1995), 29(7), 24-9
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT 5157-15-3
 RL: PRP (Properties)
 (frontal polygon method for anal. of structure-activity relations of
 urea derivs.)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)

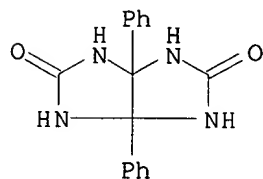


L9 ANSWER 14 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1995:652270 CAPLUS
 DOCUMENT NUMBER: 123:35796
 TITLE: Optimized production of 1,3,4,6-tetrachloro-7,8-
 diphenylacetylenediureine by chlorination
 INVENTOR(S): Hulzer, Guenther; Guehne, Peter; Haase, Wolfgang;
 Knauth, Gerd; Seifert, Kerstin; Lustig, Hans-Dieter
 PATENT ASSIGNEE(S): Arzneimittelwerk Dresden GmbH, Germany
 SOURCE: Ger. (East), 4 pp.
 CODEN: GEXXA8
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 301960	A9	19940825	DD 1988-319207	19880822

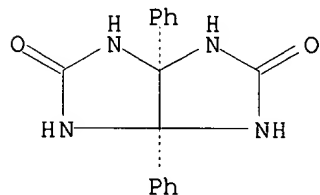
IT 5157-15-3
 RL: PEP (Physical, engineering or chemical process); RCT (Reactant); PROC
 (Process)
 (optimized prodn. of 1,3,4,6-tetrachloro-7,8-diphenylacetylenediureine)

by chlorination)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



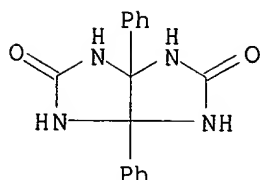
L9 ANSWER 15 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1995:71061 CAPLUS
 DOCUMENT NUMBER: 123:82740
 TITLE: Structural and dynamic features of molecular clips
 derived from diphenylglycoluril
 AUTHOR(S): Reek, J. N. H.; Sijbesma, R. P; Nolte, R. J. M.
 CORPORATE SOURCE: NSR Center, University Nijmegen, Nijmegen, 6525 ED,
 Neth.
 SOURCE: NATO ASI Ser., Ser. C (1994), 426 (COMPUTATIONAL
 APPROACHES IN SUPRAMOLECULAR CHEMISTRY), 205-19
 CODEN: NSCSDW; ISSN: 0258-2023
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 101241-21-8
 RL: RCT (Reactant)
 (condensation reaction with paraformaldehyde)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
 cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.

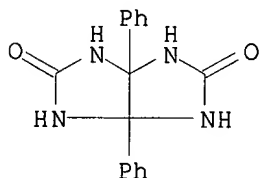


L9 ANSWER 16 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1995:486322 CAPLUS
 DOCUMENT NUMBER: 123:285112
 TITLE: Supramolecular self-assembly of molecules in closed
 spherical structures (tennis ball shapes)
 AUTHOR(S): Cekovic, Zivorad
 CORPORATE SOURCE: Dep. Chem., Univ. Belgrade, Belgrade, Yugoslavia
 SOURCE: Hem. Pregl. (1994), 35(3-4), 61-2
 CODEN: HMPGAI; ISSN: 0440-6826
 DOCUMENT TYPE: Journal
 LANGUAGE: Serbo-Croatian
 IT 5157-15-3, Diphenylglycoluril
 RL: RCT (Reactant)
 (supramol. self-assembly of mols. in closed spherical structures
 (tennis ball shapes))
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)

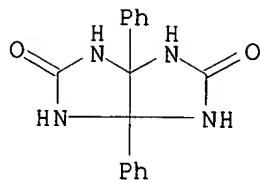
(CA INDEX NAME)



L9 ANSWER 17 OF 46 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1995:847808 CAPLUS
DOCUMENT NUMBER: 123:329255
TITLE: Synthetic anticonvulsants, antihypoxants and inducers
of the hepatic monooxygenase system, based on amides
and ureas. XVI. Study of the antihypoxic properties
of bicyclic bis-ureas
AUTHOR(S): Bakibayev, A. A.; Gorshkova, V. K.; Yagovkin, A. Yu.;
Filimonov, V. D.; Saratikov, A. S.
CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, Russia
SOURCE: Khim.-Farm. Zh. (1994), (8), 15-17
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian
IT 5157-15-3
RL: BAC (Biological activity or effector, except adverse); BIOL
(Biological study)
(structure and antihypoxic properties of bicyclic bis-ureas)
RN 5157-15-3 CAPLUS
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)
(CA INDEX NAME)

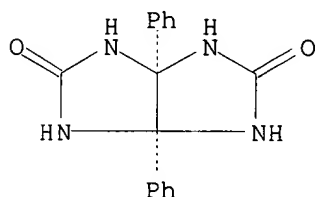


L9 ANSWER 18 OF 46 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1993:649520 CAPLUS
DOCUMENT NUMBER: 119:249520
TITLE: Binding features of molecular clips derived from
diphenylglycoluril
AUTHOR(S): Sijbesma, R. P.; Kentgens, A. P. M.; Lutz, E. T. G.;
van der Maas, J. H.; Nolte, R. J. M.
CORPORATE SOURCE: NSR Cent., Univ. Nijmegen, Nijmegen, 6525 ED, Neth.
SOURCE: J. Am. Chem. Soc. (1993), 115(20), 8999-9005
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 119:249520
IT 5157-15-3
RL: PRP (Properties)
(IR of, in potassium bromide or in soln.)
RN 5157-15-3 CAPLUS
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)
(CA INDEX NAME)



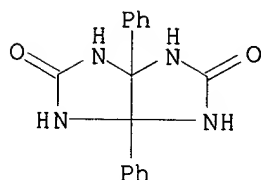
L9 ANSWER 19 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1994:164062 CAPLUS
 DOCUMENT NUMBER: 120:164062
 TITLE: Formation of a cavity by dimerization of a self-complementary molecule via hydrogen bonds
 AUTHOR(S): Wyler, Rene; de Mendoza, Javier; Rebek, Julius, Jr.
 CORPORATE SOURCE: Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA
 SOURCE: Angew. Chem. (1993), 105(12), 1820-1 (See also Angew. Chem., Int. Ed. Engl., 1993, 32(12), 1699-701)
 CODEN: ANCEAD; ISSN: 0044-8249
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 IT **101241-21-8**
 RL: RCT (Reactant)
 (reactant, in prepn. of self-complementary mol.)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 20 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1994:134371 CAPLUS
 DOCUMENT NUMBER: 120:134371
 TITLE: Amide- and urea-based synthetic anticonvulsants, antihypoxants and inducers of the hepatic monooxygenase system. IX. Synthesis and search for cytochrome P-450-dependent monooxygenase inducers among carbamide-containing heterocycles
 AUTHOR(S): Bakibayev, A. A.; Akmedzhanov, R. R.; Yagovkin, A. Yu.; Novozheyeva, T. P.; Filimov, V. D.; Saratikov, A.
 CORPORATE SOURCE: Tomsk. Politekh. Univ., Tomsk, Russia
 SOURCE: Khim.-Farm. Zh. (1993), 27(6), 29-33
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 IT **5157-15-3P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and hexobarbital-induced sleep extension by)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)

(CA INDEX NAME)



L9 ANSWER 21 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1994:449880 CAPLUS

DOCUMENT NUMBER: 121:49880

TITLE: Synthetic anticonvulsants, antihypoxics, and hepatic monooxygenase inducers based on amides and ureas. X. Cytochrome P-450-dependent hepatic monooxygenase inducers based on bibenzazepinones, mono- and

bicyclic

imidazolinones and isoindolinones
AUTHOR(S): Novozheyeva, T. P.; Akhmedzhanov, R. R.; Saratikov, A.

S.; Bakibayev, A. A.; Yagovkin, A. Yu.; Filimonov, V. D.; Tignibidina, L. G.

CORPORATE SOURCE: Sib. Med. Univ., Tomsk, Russia

SOURCE: Khim.-Farm. Zh. (1993), 27(9), 25-6

CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal

LANGUAGE: Russian

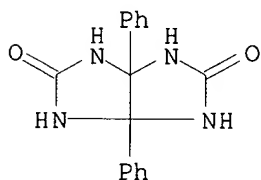
IT 5157-15-3

RL: BIOL (Biological study)
(cytochrome P 450-dependent hepatic monooxygenase activation by phenobarbital vs.)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)

(CA INDEX NAME)



L9 ANSWER 22 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1993:131690 CAPLUS

DOCUMENT NUMBER: 118:131690

TITLE: Disinfectant for the treatment of water systems

INVENTOR(S): Jones, Ronald Lee

PATENT ASSIGNEE(S): Bio-Lab, Inc., USA

SOURCE: PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

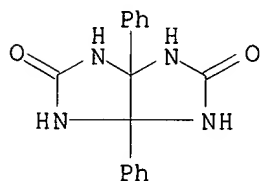
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9213528	A1	19920820	WO 1992-US663	19920130
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO,				

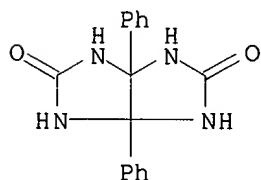
PL, RO, RU, SD
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE
 CA 2103715 AA 19920812 CA 1992-2103715 19920130
 CA 2103715 C 19980106
 AU 9214194 A1 19920907 AU 1992-14194 19920130
 AU 651186 B2 19940714
 EP 571523 A1 19931201 EP 1992-906779 19920130
 EP 571523 B1 20000524
 R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL
 JP 07506330 T2 19950713 JP 1992-506607 19920130
 ZA 9200798 A 19921125 ZA 1992-798 19920204
 US 5498415 A 19960312 US 1994-234638 19940428
 US 1991-652983 19910211
 WO 1992-US663 19920130
 PRIORITY APPLN. INFO.:
 OTHER SOURCE(S): MARPAT 118:131690
 IT 5157-15-3, Diphenylglycoluril
 RL: OCCU (Occurrence)
 (disinfectant contg., for water purifn.)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



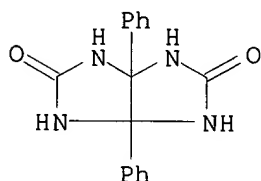
L9 ANSWER 23 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1992:194314 CAPLUS
 DOCUMENT NUMBER: 116:194314
 TITLE: Preparation of poly-N-chlorinated bicyclic bisureas
 INVENTOR(S): Yagovkin, A. Yu.; Bakibaev, A. A.; Filimonov, V. D.
 PATENT ASSIGNEE(S): Tomsk Polytechnic Institute, USSR
 SOURCE: U.S.S.R. From: Otkrytiya, Izobret. 1991, (33), 91-2.
 CODEN: URXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Russian
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IT	SU 1675300	A1	19910907	SU 1989-4709947	19890626

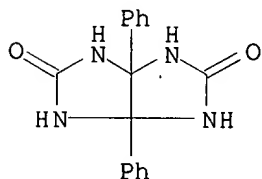
IT 5157-15-3
 RL: RCT (Reactant)
 (chlorination of, in situ generated chlorine for)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L9 ANSWER 24 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1992:174062 CAPLUS
 DOCUMENT NUMBER: 116:174062
 TITLE: Ureas in organic synthesis. V. Reactions of aromatic ketones and 1,2-diketones with ureas in formic acid
 AUTHOR(S): Bakibaev, A. A.; Yagovkin, A. Yu.; Filimonov, V. D.
 CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, USSR
 SOURCE: Zh. Org. Khim. (1991), 27(7), 1512-19
 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 116:174062
 IT 5157-15-3P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)
 (CA INDEX NAME)

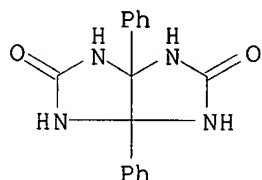


L9 ANSWER 25 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1992:490204 CAPLUS
 DOCUMENT NUMBER: 117:90204
 TITLE: Synthesis of 1,3,4,6-tetrachloro-3.alpha.,6.alpha.-diphenyl glycoluril
 AUTHOR(S): Li, Deyou; Wang, Yaping; Gong, Xiongqi
 CORPORATE SOURCE: Inst. Pharmacol. Toxicol., Acad. Mil. Med. Sci., Beijing, Peop. Rep. China
 SOURCE: Tongweisu (1991), 4(2), 105-6, 114
 CODEN: TONGEM; ISSN: 1000-7512
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 IT 5157-15-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and chlorination of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)
 (CA INDEX NAME)



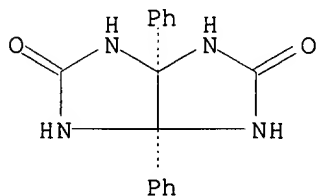
L9 ANSWER 26 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1989:477983 CAPLUS
 DOCUMENT NUMBER: 111:77983
 TITLE: Synthesis and binding properties of basket-shaped

AUTHOR(S): hosts
 Smeets, Jan W. H.; Sijbesma, Rint P.; Van Dalen,
 Lydia; Spek, Anthony L.; Smeets, Wilberth J. J.;
 Nolte, Roeland J. M.
 CORPORATE SOURCE: Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH,
 Neth.
 SOURCE: J. Org. Chem. (1989), 54(15), 3710-17
 CODEN: JOCEAH; ISSN: 0022-3263
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 111:77983
 IT **5157-15-3**
 RL: RCT (Reactant)
 (reaction of, with paraformaldehyde)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



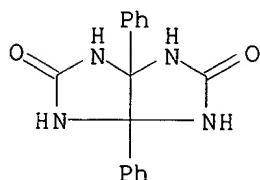
L9 ANSWER 27 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1989:127502 CAPLUS
 DOCUMENT NUMBER: 110:127502
 TITLE: Rhodium(III) cage compounds based on
 diphenylglycoluril
 AUTHOR(S): Niele, Frank G. M.; Martens, Constantinus F.; Nolte,
 Roeland J. M.
 CORPORATE SOURCE: Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH,
 Neth.
 SOURCE: J. Am. Chem. Soc. (1989), 111(6), 2078-85
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT **101241-21-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and derivatization of)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
 cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



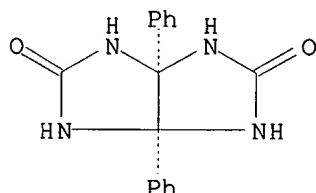
L9 ANSWER 28 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1990:77145 CAPLUS
 DOCUMENT NUMBER: 112:77145
 TITLE: A cage compound derived from cyclotrimeratrylene and

diphenylglycoluril subunits
 AUTHOR(S): Smeets, J. W. H.; Coolen, H. K. A. C.; Zwikker, J. W.;
 CORPORATE SOURCE: Nolte, R. J. M.
 Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH, Neth.
 SOURCE: Recl. Trav. Chim. Pays-Bas (1989), 108(6), 215-18
 CODEN: RTCPA3; ISSN: 0165-0513
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 112:77145
 IT 5157-15-3, Diphenylglycoluril
 RL: RCT (Reactant)
 (substitution reaction of, with (bromoalkoxy)methoxybenzaldehyde)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L9 ANSWER 29 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1989:632664 CAPLUS
 DOCUMENT NUMBER: 111:232664
 TITLE: The stereochemical course of the Biltz reaction
 AUTHOR(S): Mergen, F.; Poupaert, J. H.; De Keyser, J. L.;
 Dumont, P.
 CORPORATE SOURCE: Med. Fak. Kathol., Univ. Lowen, Brussels, 1200, Belg.
 SOURCE: Pharmazie (1989), 44(2), 110-12
 CODEN: PHARAT; ISSN: 0031-7144
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 OTHER SOURCE(S): CASREACT 111:232664
 IT 101241-21-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
 cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



L9 ANSWER 30 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1990:198218 CAPLUS
 DOCUMENT NUMBER: 112:198218
 TITLE: Synthesis of bicyclic bisureas and derivatives of

AUTHOR(S): imidazole based on aromatic 1,2-hydroxyketones
 Bakibaev, A. A.; Yagovkin, A. Yu.; Savchenko, T. I.;
 Filimonov, V. D.; Seilikhanov, G. D.
 CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, USSR
 SOURCE: Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.
 (1989), 32(7), 38-41
 CODEN: IVUKAR; ISSN: 0579-2991
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 112:198218

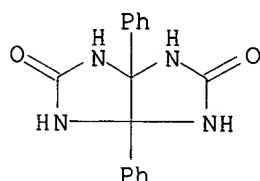
IT 5157-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)

(CA INDEX NAME)



L9 ANSWER 31 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1989:231636 CAPLUS

DOCUMENT NUMBER: 110:231636

TITLE: Method of preparing 3a,7a-
 diphenyltetrahydroimidazo[4,5-d]imidazole-2,5-dione

INVENTOR(S): Bakibaev, A. A.; Filimonov, V. D.; Yagovkin, A. Yu.

PATENT ASSIGNEE(S): Tomsk Polytechnic Institute, USSR

SOURCE: U.S.S.R. From: Otkrytiya, Izobret. 1988, (48), 114.
 CODEN: URXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1447825	A1	19881230	SU 1987-4243469	19870511

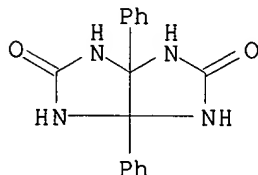
IT 5157-15-3P

RL: PREP (Preparation)
 (manuf. of, by cyclocondensation of benzil with urea)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)

(CA INDEX NAME)

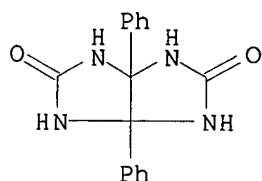


L9 ANSWER 32 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1989:439257 CAPLUS

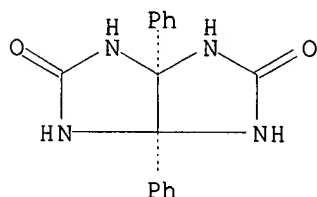
DOCUMENT NUMBER: 111:39257

TITLE: Reaction of bis-1,2-diketones. III. Regioselective bicyclization of bis-1,2-diketones with urea
 AUTHOR(S): Bakibaev, A. A.; Savchenko, T. I.; Filimonov, V. D.; Yagovkin, A. Yu.; Novikov, A. N.
 CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, USSR
 SOURCE: Zh. Org. Khim. (1988), 24(12), 2581-4
 CODEN: ZORKAE; ISSN: 0514-7492
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 OTHER SOURCE(S): CASREACT 111:39257
 IT 5157-15-3P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)
 (CA INDEX NAME)



L9 ANSWER 33 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1988:30738 CAPLUS
 DOCUMENT NUMBER: 108:30738
 TITLE: Palladium(II) cage compounds based on diphenylglycoluril
 AUTHOR(S): Niele, Frank G. M.; Nolte, Roeland J. M.
 CORPORATE SOURCE: Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH, Neth.
 SOURCE: J. Am. Chem. Soc. (1988), 110(1), 172-7
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 101241-21-8
 RL: RCT (Reactant)
 (cyclization reaction with paraformaldehyde and substitution reaction of, with dichlorooxooctane and dibromohexane)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis- (9CI) (CA INDEX NAME)

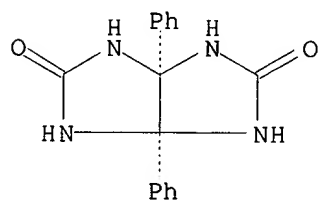
Relative stereochemistry.



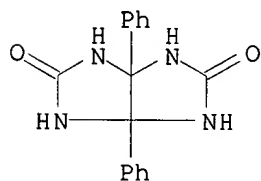
L9 ANSWER 34 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1986:217999 CAPLUS
 DOCUMENT NUMBER: 104:217999
 TITLE: Synthesis and properties of a novel cavity-forming ligand-system based on diphenylglycoluril

AUTHOR(S): Niele, Frank G. M.; Zwikker, Jan W.; Nolte, Roeland J.
 CORPORATE SOURCE: M. Lab. Org. Chem., State Univ. Utrecht, Utrecht, 3584 CH, Neth.
 SOURCE: Tetrahedron Lett. (1986), 27(2), 243-6
 CODEN: TELEAY; ISSN: 0040-4039
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 101241-21-8
 RL: RCT (Reactant)
 (reaction of, with paraformaldehyde in presence of alk. catalyst)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.

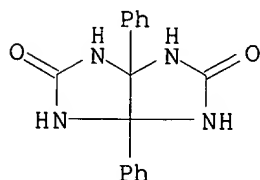


L9 ANSWER 35 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1985:45909 CAPLUS
 DOCUMENT NUMBER: 102:45909
 TITLE: A novel hexacyclic ring system from glycoluril
 AUTHOR(S): Mock, William L.; Manimaran, T.; Freeman, Wade A.; Kuksuk, Robert M.; Maggio, John E.; Williams, Dudley H.
 CORPORATE SOURCE: Dep. Chem., Univ. Illinois, Chicago, IL, 60680, USA
 SOURCE: J. Org. Chem. (1985), 50(1), 60-2
 CODEN: JOCEAH; ISSN: 0022-3263
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 102:45909
 IT 5157-15-3
 RL: RCT (Reactant)
 (condensation of, with formaldehyde and propanediamine)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)

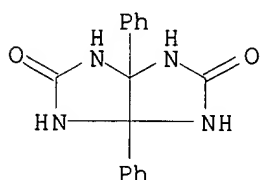


L9 ANSWER 36 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1985:78766 CAPLUS
 DOCUMENT NUMBER: 102:78766
 TITLE: Phase-transfer catalysis by poly(ethyleneglycol) 600 in the Biltz synthesis of phenytoin.
 AUTHOR(S): Poupaert, Jacques H.; De Keyser, Jean Luc;

Vandervorst, Daniel; Dumont, Pierre
 CORPORATE SOURCE: Brussels, B-1200, Belg.
 SOURCE: Bull. Soc. Chim. Belg. (1984), 93(6), 493-5
 CODEN: BSCBAG; ISSN: 0037-9646
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 5157-15-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L9 ANSWER 37 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1983:470692 CAPLUS
 DOCUMENT NUMBER: 99:70692
 TITLE: 1,3,5,7-Tetrazocines
 AUTHOR(S): Gompper, Rudolf; Schwarzensteiner, Marie Luise
 CORPORATE SOURCE: Inst. Org. Chem., Univ. Muenchen, Munich, D-8000/2,
 Fed. Rep. Ger.
 SOURCE: Angew. Chem. (1983), 95(7), 553-4
 CODEN: ANCEAD; ISSN: 0044-8249
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 IT 5157-15-3
 RL: RCT (Reactant)
 (enol ethylation of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L9 ANSWER 38 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1980:197476 CAPLUS
 DOCUMENT NUMBER: 92:197476
 TITLE: Mechanistic studies in the chemistry of urea. Part
 4.
 Reactions of urea, 1-methylurea, and 1,3-dimethylurea
 with benzil in acid solution
 AUTHOR(S): Butler, Anthony R.; Leitch, Elizabeth
 CORPORATE SOURCE: Dep. Chem., Univ. St. Andrews, St. Andrews, KY16 9ST,
 Scot.
 SOURCE: J. Chem. Soc., Perkin Trans. 2 (1980), (1), 103-5
 CODEN: JCPKBH; ISSN: 0300-9580
 DOCUMENT TYPE: Journal

LANGUAGE: English

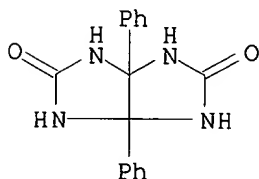
IT 5157-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L9 ANSWER 39 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1979:121484 CAPLUS

DOCUMENT NUMBER: 90:121484

TITLE: Reaction of guanidines with .alpha.-diketones.
Syntheses of 4,5-disubstituted-2-aminoimidazoles and
2,6-unsymmetrically substituted imidazo[4,5-
d]imidazoles

AUTHOR(S): Nishimura, Tamio; Kitajima, Koji

CORPORATE SOURCE: Sch. Hyg. Sci., Kitasato Univ., Sagamihara, Japan

SOURCE: J. Org. Chem. (1979), 44(5), 818-24

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

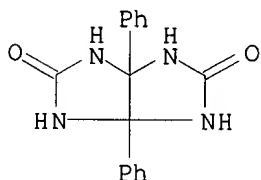
IT 5157-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L9 ANSWER 40 OF 46 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1978:62417 CAPLUS

DOCUMENT NUMBER: 88:62417

TITLE: s-Triazolo[4,3-a]quinoxalines with virustatic action

INVENTOR(S): Westphal, Guenter; Zielinski, Ursula; Esser, Alfia;
Wasicki, Helgard; Tonev, E.; Tonev, M.

PATENT ASSIGNEE(S): E. Ger.

SOURCE: Ger. (East), 8 pp.

CODEN: GEXXA8

DOCUMENT TYPE: Patent

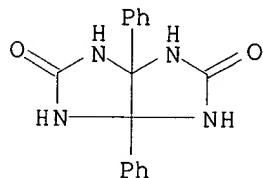
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DD 126390 Z 19770713 DD 1976-192914 19760519
 IT 5157-15-3P
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (prepn. and virucidal activity of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)
 (CA INDEX NAME)

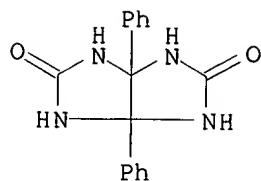


L9 ANSWER 41 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1978:62391 CAPLUS
 DOCUMENT NUMBER: 88:62391
 TITLE: Diphenylglycoluril
 INVENTOR(S): Menzer, Manfred; Pelz, Juergen; Kazmirowski, Hans Georg
 PATENT ASSIGNEE(S): E. Ger.
 SOURCE: Ger. (East), 13 pp.
 CODEN: GEXXA8
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DD 126328	Z	19770706	DD 1976-193970	19760720
IT	41407-08-3P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)				
RN	41407-08-3	CAPLUS			

L9 ANSWER 42 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1977:535329 CAPLUS
 DOCUMENT NUMBER: 87:135329
 TITLE: 1,3,4,6-Tetrachloro-7,8-diphenylacetylenediurein
 INVENTOR(S): Palitzsch, Peter
 PATENT ASSIGNEE(S): E. Ger.
 SOURCE: Ger. (East), 10 pp.
 CODEN: GEXXA8
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DD 123467	Z	19761220	DD 1975-189828	19751203
IT	5157-15-3				
	RL: RCT (Reactant) (chlorination of)				
RN	5157-15-3	CAPLUS			
CN	Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)				
	(CA INDEX NAME)				

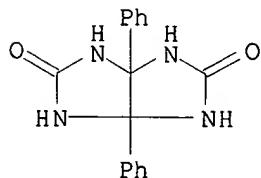


L9 ANSWER 43 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1973:99970 CAPLUS
 DOCUMENT NUMBER: 78:99970
 TITLE: Gas-producing compositions
 INVENTOR(S): Young, George H. S.
 PATENT ASSIGNEE(S): Minister of Technology, London
 SOURCE: Brit., 4 pp. Addn. to Brit. 915,910.
 CODEN: BRXXAA
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	GB 1302361	A	19730110	GB 1960-16702	19600511
IT	41407-08-3				
	RL: USES (Uses)				
	(pressure moderators, in propellants contg. RDX combustion retarders)				
RN	41407-08-3	CAPLUS			

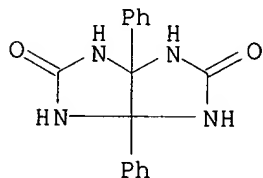
L9 ANSWER 44 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1974:95949 CAPLUS
 DOCUMENT NUMBER: 80:95949
 TITLE: 1,3,4,6-Tetrachloro-7,8-diphenylacetylene diurea
 INVENTOR(S): Haug, Ulrich
 SOURCE: Ger. (East), 2 pp.
 CODEN: GEXXA8
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DD 99788	Z	19730820	DD 1972-163404	19720605
IT	5157-15-3				
	RL: RCT (Reactant)				
	(chlorination of)				
RN	5157-15-3	CAPLUS			
CN	Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-				
	(9CI)				
	(CA INDEX NAME)				

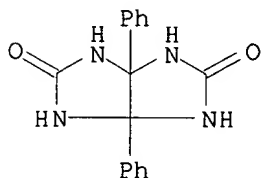


L9 ANSWER 45 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1973:147874 CAPLUS

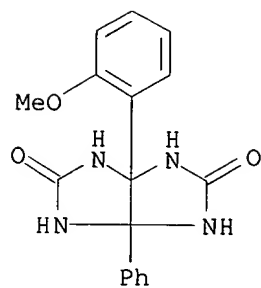
DOCUMENT NUMBER: 78:147874
 TITLE: Acylation of glycolurils
 AUTHOR(S): Kuehling, Dieter
 CORPORATE SOURCE: Henkel und Cie, G.m.b.H., Duesseldorf, Ger.
 SOURCE: Justus Liebig's Ann. Chem. (1973), (2), 263-77
 CODEN: JLACBF
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 IT 5157-15-3
 RL: RCT (Reactant)
 (acylation of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



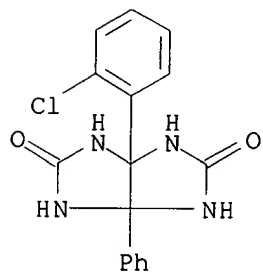
L9 ANSWER 46 OF 46 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1968:39508 CAPLUS
 DOCUMENT NUMBER: 68:39508
 TITLE: Organic sulfur compounds. XCV. Base-catalyzed
 reaction of substituted benzils with urea and
 thiourea
 and
 to give glycolurils, hydantoins, imidazolidinones,
 dithioglycolurils and thiohydantoins, respectively
 AUTHOR(S): Dietz, Werner; Mayer, Roland
 CORPORATE SOURCE: Organ. Lab., VEB Fettchem., Karl-Marx-Stadt, Ger.
 SOURCE: J. Prakt. Chem. (1968), 37(1-2), 78-90
 CODEN: JPCEAO
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 IT 5157-15-3P 17816-33-0P 17816-34-1P
 17816-35-2P 17816-36-3P 17816-38-5P
 17816-40-9P 17816-41-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



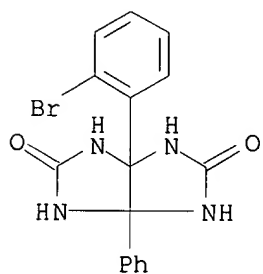
RN 17816-33-0 CAPLUS
 CN Glycoluril, 3a-(o-methoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



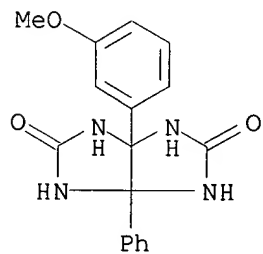
RN 17816-34-1 CAPLUS
 CN Glycoluril, 3a-(o-chlorophenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



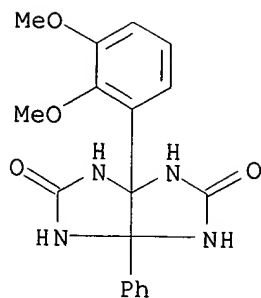
RN 17816-35-2 CAPLUS
 CN Glycoluril, 3a-(o-bromophenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



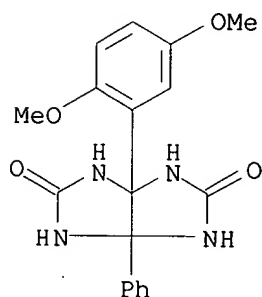
RN 17816-36-3 CAPLUS
 CN Glycoluril, 3a-(m-methoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



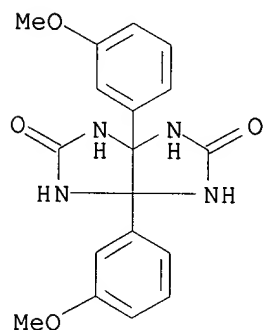
RN 17816-38-5 CAPLUS
 CN Glycoluril, 3a-(2,3-dimethoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



RN 17816-40-9 CAPLUS
 CN Glycoluril, 3a-(2,5-dimethoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



RN 17816-41-0 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

126.60

287.41

FILE 'STNGUIDE' ENTERED AT 16:45:13 ON 18 JUN 2000

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 16, 2000 (20000616/UP).

=> d his

(FILE 'HOME' ENTERED AT 16:26:57 ON 18 JUN 2000)

FILE 'REGISTRY' ENTERED AT 16:27:15 ON 18 JUN 2000

L1 1 S 5157-15-3/RN
L2 1 S L1

FILE 'CAPLUS, USPATFULL' ENTERED AT 16:28:19 ON 18 JUN 2000

L3 37 S L1
L4 37 DUP REM L3 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 16:29:38 ON 18 JUN 2000

FILE 'STNGUIDE' ENTERED AT 16:38:21 ON 18 JUN 2000

FILE 'REGISTRY' ENTERED AT 16:42:08 ON 18 JUN 2000

L5 STRUCTURE UPLOADED
L6 0 S L5
L7 11 S L5 FULL

FILE 'CAPLUS, USPATFULL' ENTERED AT 16:43:05 ON 18 JUN 2000

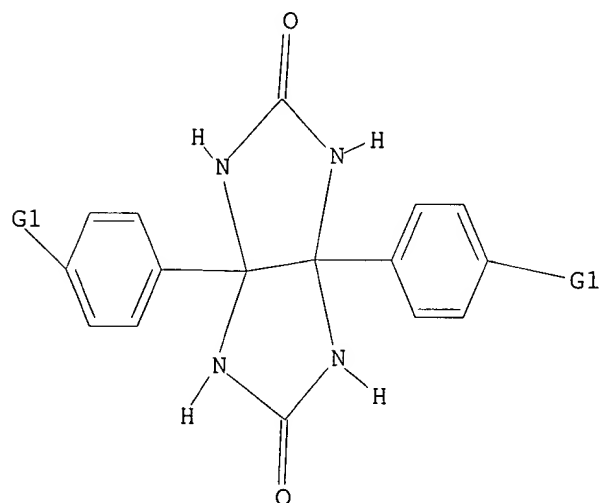
L8 46 S L7
L9 46 DUP REM L8 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 16:45:13 ON 18 JUN 2000

=> d 15

L5 HAS NO ANSWERS

L5 STR



G1 H,OH

Structure attributes must be viewed using STN Express query preparation.

L4 ANSWER 1 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1999:407100 CAPLUS
 DOCUMENT NUMBER: 131:74501
 TITLE: 1,3,4,6-tetraallylglycolurils as intermediates for
 fireproofing agents for resins and their manufacture
 INVENTOR(S): Miura, Shozo; Yano, Tomoko; Kano, Naoki
 PATENT ASSIGNEE(S): Shikoku Chemicals Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
JP 11171887	A2	19990629	JP 1997-362604	19971212
OTHER SOURCE(S):		MARPAT 131:74501		

L4 ANSWER 2 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1998:308946 CAPLUS
 DOCUMENT NUMBER: 129:40766
 TITLE: Conformational behavior and binding properties of
 naphthalene-walled clips
 AUTHOR(S): Reek, Joost N. H.; Engelkam, Hans; Rowan, Alan E.;
 Elemans, Johannes A. A. W.; Nolte, Roeland J. M.
 CORPORATE SOURCE: Dep. Organic Chem., NSR Center Univ. Nijmegen,
 Nijmegen, 6525 ED, Neth.
 SOURCE: Chem.--Eur. J. (1998), 4(4), 716-722
 CODEN: CEUJED; ISSN: 0947-6539
 PUBLISHER: Wiley-VCH Verlag GmbH
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L4 ANSWER 3 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1998:729064 CAPLUS
 DOCUMENT NUMBER: 130:90089
 TITLE: Quantitative structure-activity relations for
 phenobarbital-type cytochrome P-450 inducers
 AUTHOR(S): Khlebnikov, A. I.; Naboka, O. I.; Akhmedzhanov, R.
 R.;
 Novozheeva, T. P.; Saratikov, A. S.
 CORPORATE SOURCE: Altai. Gos. Tekh. Univ. im. I.I. Polzunova, Barnaul,
 Russia
 SOURCE: Khim.-Farm. Zh. (1998), 32(7), 35-41
 CODEN: KHFZAN; ISSN: 0023-1134
 PUBLISHER: Izdatel'stvo Folium
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

L4 ANSWER 4 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:664796 CAPLUS
 DOCUMENT NUMBER: 127:331139
 TITLE: Binding features of molecular clips. Separation of
 the
 interactions effects of hydrogen bonding and .pi.-.pi.
 AUTHOR(S): Reek, Joost N. H.; Priem, Alex H.; Engelkamp, Hans;
 Rowan, Alan E.; Elemans, Johannes A. A. W.; Nolte,

Roeland J. M.
 .CORPORATE SOURCE: Department of Organic Chemistry NSR Center,
 University of Nijmegen, Nijmegen, 6525 ED, Neth.
 SOURCE: J. Am. Chem. Soc. (1997), 119(42), 9956-9964
 CODEN: JACSAT; ISSN: 0002-7863
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L4 ANSWER 5 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:231033 CAPLUS
 DOCUMENT NUMBER: 126:238362
 TITLE: Synthesis, Conformational Analysis, and Binding
 Properties of Molecular Clips with Two Different Side
 Walls
 AUTHOR(S): Reek, Joost N. H.; Elemans, Johannes A. A. W.; Nolte,
 Roeland J. M.
 CORPORATE SOURCE: Department of Organic Chemistry NSR Center,
 University of Nijmegen, Nijmegen, 6525 ED, Neth.
 SOURCE: J. Org. Chem. (1997), 62(7), 2234-2243
 CODEN: JOCEAH; ISSN: 0022-3263
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L4 ANSWER 6 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:581656 CAPLUS
 DOCUMENT NUMBER: 127:287680
 TITLE: Quantitative structure-activity relationships of urea
 derivatives that are inducers of liver cytochrome p
 450. Analysis by the modified method of frontal
 polygons
 AUTHOR(S): Khlebnikov, A. I.; Bakibaev, A. A.; Akhmedzhanov, R.
 R.; Novozheeva, T. P.; Saratikov, A. S.
 CORPORATE SOURCE: Altai Gos. Tekh. Univ. im. Polzunova, Barnaul, Russia
 SOURCE: Khim.-Farm. Zh. (1997), 31(6), 44-48
 CODEN: KHFZAN; ISSN: 0023-1134
 PUBLISHER: Izdatel'stvo Folium
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

L4 ANSWER 7 OF 37 USPATFULL
 ACCESSION NUMBER: 96:20897 USPATFULL
 TITLE: Disinfectant for the treatment of water systems
 INVENTOR(S): Jones, Ronald L., Norcross, GA, United States
 PATENT ASSIGNEE(S): Bio-Lab, Inc., Decatur, GA, United States (U.S.
 corporation)

	NUMBER	DATE
PATENT INFORMATION:	US 5498415	19960312
APPLICATION INFO.:	US 1994-234638	19940428 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-898293, filed on 15 Jun 1993, now abandoned which is a continuation of Ser. No. US 1991-652983, filed on 11 Feb 1991, now abandoned	
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Levy, Neil	
LEGAL REPRESENTATIVE:	Woodard, Emhardt, Naughton, Moriarty & McNett	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
LINE COUNT:	477	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1996:705078 CAPLUS
DOCUMENT NUMBER: 126:69184
TITLE: Development of supramolecular metalloprotein mimics
AUTHOR(S): Feiters, M. C.; Gebbink, R. J. M. Klein; Schenning, A.
P. H. J.; van Strijdonck, G. P. F.; Martens, C. F.; Nolte, R. J. M.
CORPORATE SOURCE: Dep. Org. Chem., Univ. Nijmegen, Nijmegen, 6525 ED, Neth.
SOURCE: Pure Appl. Chem. (1996), 68(11), 2163-2170
CODEN: PACHAS; ISSN: 0033-4545
PUBLISHER: Blackwell
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L4 ANSWER 9 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1996:582694 CAPLUS
DOCUMENT NUMBER: 125:328559
TITLE: Condensation reactions of benzils with ureas in ethylene glycol
AUTHOR(S): Lee, Chang Kiu; Kim, Sun Hee; Kim, Yong Bun
CORPORATE SOURCE: Dep. Chem., Kangweon Natl. Univ., Chuncheon, 200-701, S. Korea
SOURCE: J. Heterocycl. Chem. (1996), 33(4), 1019-1024
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 10 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1995:918363 CAPLUS
DOCUMENT NUMBER: 124:75523
TITLE: Use of the frontal polygon method to analyze structure-activity relations for urea derivatives, inductors of liver cytochrome P-450
AUTHOR(S): Khlebnikov, A. I.; Pustovoitov, A. V.; Bakibaev, A. A.; Akhmedzhanov, R. R.; Novozheeva, T. P.; Saratikov, A. S.
CORPORATE SOURCE: Altai. Gos. Tekh. Univ., Barnaul, Russia
SOURCE: Khim.-Farm. Zh. (1995), 29(7), 24-9
CODEN: KHFZAN; ISSN: 0023-1134
DOCUMENT TYPE: Journal
LANGUAGE: Russian

L4 ANSWER 11 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1995:652270 CAPLUS
DOCUMENT NUMBER: 123:35796
TITLE: Optimized production of 1,3,4,6-tetrachloro-7,8-diphenylacetylenediureine by chlorination
INVENTOR(S): Hulzer, Guenther; Guehne, Peter; Haase, Wolfgang; Knauth, Gerd; Seifert, Kerstin; Lustig, Hans-Dieter
PATENT ASSIGNEE(S): Arzneimittelwerk Dresden GmbH, Germany
SOURCE: Ger. (East), 4 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 301960	A9	19940825	DD 1988-319207	19880822

L4 ANSWER 12 OF 37 CAPLUS COPYRIGHT 2000 ACS
 .ACCESSION NUMBER: 1995:486322 CAPLUS
 DOCUMENT NUMBER: 123:285112
 TITLE: Supramolecular self-assembly of molecules in closed
 spherical structures (tennis ball shapes)
 AUTHOR(S): Cekovic, Zivorad
 CORPORATE SOURCE: Dep. Chem., Univ. Belgrade, Belgrade, Yugoslavia
 SOURCE: Hem. Pregl. (1994), 35(3-4), 61-2
 CODEN: HMPGAI; ISSN: 0440-6826
 DOCUMENT TYPE: Journal
 LANGUAGE: Serbo-Croatian

L4 ANSWER 13 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1995:847808 CAPLUS
 DOCUMENT NUMBER: 123:329255
 TITLE: Synthetic anticonvulsants, antihypoxants and inducers
 of the hepatic monooxygenase system, based on amides
 and ureas. XVI. Study of the antihypoxic properties
 of
 bicyclic bis-ureas
 AUTHOR(S): Bakibayev, A. A.; Gorshkova, V. K.; Yagovkin, A. Yu.;
 Filimonov, V. D.; Saratikov, A. S.
 CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, Russia
 SOURCE: Khim.-Farm. Zh. (1994), (8), 15-17
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

L4 ANSWER 14 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1993:649520 CAPLUS
 DOCUMENT NUMBER: 119:249520
 TITLE: Binding features of molecular clips derived from
 diphenylglycoluril
 AUTHOR(S): Sijbesma, R. P.; Kentgens, A. P. M.; Lutz, E. T. G.;
 van der Maas, J. H.; Nolte, R. J. M.
 CORPORATE SOURCE: NSR Cent., Univ. Nijmegen, Nijmegen, 6525 ED, Neth.
 SOURCE: J. Am. Chem. Soc. (1993), 115(20), 8999-9005
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 119:249520

L4 ANSWER 15 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1994:134371 CAPLUS
 DOCUMENT NUMBER: 120:134371
 TITLE: Amide- and urea-based synthetic anticonvulsants,
 antihypoxants and inducers of the hepatic
 monooxygenase system. IX. Synthesis and search for
 cytochrome P-450-dependent monooxygenase inducers
 among carbamide-containing heterocycles
 AUTHOR(S): Bakibayev, A. A.; Akmedzhanov, R. R.; Yagovkin, A.
 Yu.; Novozheyeva, T. P.; Filimov, V. D.; Saratikov,
 A.
 S.
 CORPORATE SOURCE: Tomsk. Politekh. Univ., Tomsk, Russia
 SOURCE: Khim.-Farm. Zh. (1993), 27(6), 29-33
 CODEN: KHFZAN; ISSN: 0023-1134
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian

L4 ANSWER 16 OF 37 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1994:449880 CAPLUS
 DOCUMENT NUMBER: 121:49880
 TITLE: Synthetic anticonvulsants, antihypoxics, and hepatic
 monooxygenase inducers based on amides and ureas. X.
 Cytochrome P-450-dependent hepatic monooxygenase

bicyclic

inducers based on bibenzazepinones, mono- and

AUTHOR(S):
A.

imidazolinones and isoindolinones
Novozheyeva, T. P.; Akhmedzhanov, R. R.; Saratikov,
S.; Bakibayev, A. A.; Yagovkin, A. Yu.; Filimonov, V.
D.; Tignibidina, L. G.

CORPORATE SOURCE:
SOURCE:

Sib. Med. Univ., Tomsk, Russia
Khim.-Farm. Zh. (1993), 27(9), 25-6
CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE:
LANGUAGE:

Journal
Russian

L4 ANSWER 17 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1993:131690 CAPLUS

DOCUMENT NUMBER: 118:131690

TITLE: Disinfectant for the treatment of water systems

INVENTOR(S): Jones, Ronald Lee

PATENT ASSIGNEE(S): Bio-Lab, Inc., USA

SOURCE: PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9213528	A1	19920820	WO 1992-US663	19920130
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
CA 2103715	AA	19920812	CA 1992-2103715	19920130
CA 2103715	C	19980106		
AU 9214194	A1	19920907	AU 1992-14194	19920130
AU 651186	B2	19940714		
EP 571523	A1	19931201	EP 1992-906779	19920130
EP 571523	B1	20000524		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 07506330	T2	19950713	JP 1992-506607	19920130
ZA 9200798	A	19921125	ZA 1992-798	19920204
US 5498415	A	19960312	US 1994-234638	19940428
PRIORITY APPLN. INFO.:			US 1991-652983	19910211
			WO 1992-US663	19920130

OTHER SOURCE(S): MARPAT 118:131690

L4 ANSWER 18 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1992:194314 CAPLUS

DOCUMENT NUMBER: 116:194314

TITLE: Preparation of poly-N-chlorinated bicyclic bisureas

INVENTOR(S): Yagovkin, A. Yu.; Bakibaev, A. A.; Filimonov, V. D.

PATENT ASSIGNEE(S): Tomsk Polytechnic Institute, USSR

SOURCE: U.S.S.R. From: Otkrytiya, Izobret. 1991, (33), 91-2.

CODEN: URXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1675300	A1	19910907	SU 1989-4709947	19890626

L4 ANSWER 19 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1992:174062 CAPLUS

DOCUMENT NUMBER: 116:174062

TITLE: Ureas in organic synthesis. V. Reactions of
aromatic ketones and 1,2-diketones with ureas in formic acid
AUTHOR(S): Bakibaev, A. A.; Yagovkin, A. Yu.; Filimonov, V. D.
CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, USSR
SOURCE: Zh. Org. Khim. (1991), 27(7), 1512-19
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 116:174062

L4 ANSWER 20 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1992:490204 CAPLUS
DOCUMENT NUMBER: 117:90204
TITLE: Synthesis of 1,3,4,6-tetrachloro-3.alpha.,6.alpha.-
diphenyl glycoluril
AUTHOR(S): Li, Deyou; Wang, Yaping; Gong, Xiongqi
CORPORATE SOURCE: Inst. Pharmacol. Toxicol., Acad. Mil. Med. Sci.,
Beijing, Peop. Rep. China
SOURCE: Tongweisu (1991), 4(2), 105-6, 114
CODEN: TONGEM; ISSN: 1000-7512
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L4 ANSWER 21 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1989:477983 CAPLUS
DOCUMENT NUMBER: 111:77983
TITLE: Synthesis and binding properties of basket-shaped
hosts
AUTHOR(S): Smeets, Jan W. H.; Sijbesma, Rint P.; Van Dalen,
Lydia; Spek, Anthony L.; Smeets, Wilberth J. J.;
Nolte, Roeland J. M.
CORPORATE SOURCE: Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH,
Neth.
SOURCE: J. Org. Chem. (1989), 54(15), 3710-17
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 111:77983

L4 ANSWER 22 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1990:77145 CAPLUS
DOCUMENT NUMBER: 112:77145
TITLE: A cage compound derived from cyclotrimeratrylene and
diphenylglycoluril subunits
AUTHOR(S): Smeets, J. W. H.; Coolen, H. K. A. C.; Zwikker, J.
W.;
Nolte, R. J. M.
CORPORATE SOURCE: Dep. Org. Chem., Univ. Utrecht, Utrecht, 3584 CH,
Neth.
SOURCE: Recl. Trav. Chim. Pays-Bas (1989), 108(6), 215-18
CODEN: RTCPA3; ISSN: 0165-0513
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 112:77145

L4 ANSWER 23 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1990:198218 CAPLUS
DOCUMENT NUMBER: 112:198218
TITLE: Synthesis of bicyclic bisureas and derivatives of
imidazole based on aromatic 1,2-hydroxyketones
AUTHOR(S): Bakibaev, A. A.; Yagovkin, A. Yu.; Savchenko, T. I.;
Filimonov, V. D.; Seilikhanov, G. D.
CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, USSR
SOURCE: Izv. Vyssh. Uchebn. Zaved., Khim. Khim. Tekhnol.
(1989), 32(7), 38-41

DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 112:198218

L4 ANSWER 24 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1989:231636 CAPLUS
DOCUMENT NUMBER: 110:231636
TITLE: Method of preparing 3a,7a-diphenyltetrahydroimidazo[4,5-d]imidazole-2,5-dione
INVENTOR(S): Bakibaev, A. A.; Filimonov, V. D.; Yagovkin, A. Yu.
PATENT ASSIGNEE(S): Tomsk Polytechnic Institute, USSR
SOURCE: U.S.S.R. From: Otkrytiya, Izobret. 1988, (48), 114.
CODEN: URXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1447825	A1	19881230	SU 1987-4243469	19870511

L4 ANSWER 25 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1989:439257 CAPLUS
DOCUMENT NUMBER: 111:39257
TITLE: Reaction of bis-1,2-diketones. III. Regioselective bicyclization of bis-1,2-diketones with urea
AUTHOR(S): Bakibaev, A. A.; Savchenko, T. I.; Filimonov, V. D.; Yagovkin, A. Yu.; Novikov, A. N.
CORPORATE SOURCE: Tomsk. Politekh. Inst., Tomsk, USSR
SOURCE: Zh. Org. Khim. (1988), 24(12), 2581-4
CODEN: ZORKAE; ISSN: 0514-7492
DOCUMENT TYPE: Journal
LANGUAGE: Russian
OTHER SOURCE(S): CASREACT 111:39257

L4 ANSWER 26 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1985:45909 CAPLUS
DOCUMENT NUMBER: 102:45909
TITLE: A novel hexacyclic ring system from glycoluril
AUTHOR(S): Mock, William L.; Manimaran, T.; Freeman, Wade A.; Kuksuk, Robert M.; Maggio, John E.; Williams, Dudley H.
CORPORATE SOURCE: Dep. Chem., Univ. Illinois, Chicago, IL, 60680, USA
SOURCE: J. Org. Chem. (1985), 50(1), 60-2
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 102:45909

L4 ANSWER 27 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1985:78766 CAPLUS
DOCUMENT NUMBER: 102:78766
TITLE: Phase-transfer catalysis by poly(ethyleneglycol) 600 in the Biltz synthesis of phenytoin.
AUTHOR(S): Poupaert, Jacques H.; De Keyser, Jean Luc; Vandervorst, Daniel; Dumont, Pierre
CORPORATE SOURCE: Brussels, B-1200, Belg.
SOURCE: Bull. Soc. Chim. Belg. (1984), 93(6), 493-5
CODEN: BSCBAG; ISSN: 0037-9646
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 28 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1983:470692 CAPLUS

DOCUMENT NUMBER: 99:70692
TITLE: 1,3,5,7-Tetrazocines
AUTHOR(S): Gompper, Rudolf; Schwarzensteiner, Marie Luise
CORPORATE SOURCE: Inst. Org. Chem., Univ. Muenchen, Munich, D-8000/2,
Fed. Rep. Ger.
SOURCE: Angew. Chem. (1983), 95(7), 553-4
CODEN: ANCEAD; ISSN: 0044-8249
DOCUMENT TYPE: Journal
LANGUAGE: German

L4 ANSWER 29 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1980:197476 CAPLUS
DOCUMENT NUMBER: 92:197476
TITLE: Mechanistic studies in the chemistry of urea. Part
4.
Reactions of urea, 1-methylurea, and 1,3-dimethylurea
with benzil in acid solution
AUTHOR(S): Butler, Anthony R.; Leitch, Elizabeth
CORPORATE SOURCE: Dep. Chem., Univ. St. Andrews, St. Andrews, KY16 9ST,
Scot.
SOURCE: J. Chem. Soc., Perkin Trans. 2 (1980), (1), 103-5
CODEN: JCPKBH; ISSN: 0300-9580
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 30 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1979:121484 CAPLUS
DOCUMENT NUMBER: 90:121484
TITLE: Reaction of guanidines with .alpha.-diketones.
Syntheses of 4,5-disubstituted-2-aminoimidazoles and
2,6-unsymmetrically substituted imidazo[4,5-
d]imidazoles
AUTHOR(S): Nishimura, Tamio; Kitajima, Koji
CORPORATE SOURCE: Sch. Hyg. Sci., Kitasato Univ., Sagamihara, Japan
SOURCE: J. Org. Chem. (1979), 44(5), 818-24
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 31 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1978:62417 CAPLUS
DOCUMENT NUMBER: 88:62417
TITLE: s-Triazolo[4,3-a]quinoxalines with virustatic action
INVENTOR(S): Westphal, Guenter; Zielinski, Ursula; Esser, Alfia;
Wasicki, Helgard; Tonev, E.; Tonev, M.
PATENT ASSIGNEE(S): E. Ger.
SOURCE: Ger. (East), 8 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 126390	Z	19770713	DD 1976-192914	19760519

L4 ANSWER 32 OF 37 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1978:62391 CAPLUS
DOCUMENT NUMBER: 88:62391
TITLE: Diphenylglycoluril
INVENTOR(S): Menzer, Manfred; Pelz, Juergen; Kazmirowski, Hans
Georg
PATENT ASSIGNEE(S): E. Ger.
SOURCE: Ger. (East), 13 pp.
CODEN: GEXXA8

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 126328	Z	19770706	DD 1976-193970	19760720

L4 ANSWER 33 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1977:535329 CAPLUS
DOCUMENT NUMBER: 87:135329
TITLE: 1,3,4,6-Tetrachloro-7,8-diphenylacetylenediurein
INVENTOR(S): Palitzsch, Peter
PATENT ASSIGNEE(S): E. Ger.
SOURCE: Ger. (East), 10 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 123467	Z	19761220	DD 1975-189828	19751203

L4 ANSWER 34 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1973:99970 CAPLUS
DOCUMENT NUMBER: 78:99970
TITLE: Gas-producing compositions
INVENTOR(S): Young, George H. S.
PATENT ASSIGNEE(S): Minister of Technology, London
SOURCE: Brit., 4 pp. Addn. to Brit. 915,910.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1302361	A	19730110	GB 1960-16702	19600511

L4 ANSWER 35 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1974:95949 CAPLUS
DOCUMENT NUMBER: 80:95949
TITLE: 1,3,4,6-Tetrachloro-7,8-diphenylacetylene diurea
INVENTOR(S): Haug, Ulrich
SOURCE: Ger. (East), 2 pp.
CODEN: GEXXA8
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 99788	Z	19730820	DD 1972-163404	19720605

L4 ANSWER 36 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1973:147874 CAPLUS
DOCUMENT NUMBER: 78:147874
TITLE: Acylation of glycolurils
AUTHOR(S): Kuehling, Dieter
CORPORATE SOURCE: Henkel und Cie, G.m.b.H., Duesseldorf, Ger.
SOURCE: Justus Liebig's Ann. Chem. (1973), (2), 263-77

DOCUMENT TYPE: CODEN: JLACBF
Journal
LANGUAGE: German

L4 ANSWER 37 OF 37 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1968:39508 CAPLUS
DOCUMENT NUMBER: 68:39508
TITLE: Organic sulfur compounds. XCV. Base-catalyzed
reaction of substituted benzils with urea and
thiourea
and
to give glycolurils, hydantoins, imidazolidinones,
dithioglycolurils and thiohydantoins, respectively
AUTHOR(S): Dietz, Werner; Mayer, Roland
CORPORATE SOURCE: Organ. Lab., VEB Fettchem., Karl-Marx-Stadt, Ger.
SOURCE: J. Prakt. Chem. (1968), 37(1-2), 78-90
CODEN: JPCEAO
DOCUMENT TYPE: Journal
LANGUAGE: German

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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FILE 'STNGUIDE' ENTERED AT 16:29:38 ON 18 JUN 2000
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jun 16, 2000 (20000616/UP).

L13 ANSWER 2 OF 53 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1999:322944 CAPLUS

DOCUMENT NUMBER: 131:87870

TITLE: Multifunctionalized Glycolurils

AUTHOR(S): Pryor, Kent E.; Rebek, Julius Jr.

CORPORATE SOURCE: The Skaggs Institute for Chemical Biology and
Department of Chemistry, The Scripps Research
Institute, La Jolla, CA, 92037, USA

SOURCE: Org. Lett. (1999), 1(1), 39-42

CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 15

REFERENCE(S): (1) Boileau, J; Propellants Explos Pyrotech 1985,
V10,

P118 CAPLUS

(2) Coolen, H; J Org Chem 1996, V61, P4739 CAPLUS

(3) Dave, P; Tetrahedron Lett 1999, V40, P447 CAPLUS

(5) Fang, Y; Hanneng Cailiao 1997, V5, P9 CAPLUS

(6) Kotani, T; Chem Pharm Bull 1997, V45, P297 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1997:319264 CAPLUS

DOCUMENT NUMBER: 127:17285

TITLE: Chemical selection and self-assembly in a cyclization
reaction

AUTHOR(S): Rudkevich, Dmitry M.; Rebek, Julius, Jr.

CORPORATE SOURCE: Skaggs Inst. Chemical Biology, Scripps Research
Inst.,

La Jolla, CA, 92037, USA

SOURCE: Angew. Chem., Int. Ed. Engl. (1997), 36(8), 846-848

CODEN: ACIEAY; ISSN: 0570-0833

PUBLISHER: VCH

DOCUMENT TYPE: Journal

LANGUAGE: English

A large, stylized handwritten signature or scribble, possibly reading 'Ordered' or 'Ordered by', is written across the bottom half of the page.

13 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:319264 CAPLUS
 DOCUMENT NUMBER: 127:17285
 TITLE: Chemical selection and self-assembly in a cyclization reaction
 AUTHOR(S): Rudkevich, Dmitry M.; Rebek, Julius, Jr.
 CORPORATE SOURCE: Skaggs Inst. Chemical Biology, Scripps Research
 Inst.,
 La Jolla, CA, 92037, USA
 SOURCE: Angew. Chem., Int. Ed. Engl. (1997), 36(8), 846-848
 CODEN: ACIEAY; ISSN: 0570-0833
 PUBLISHER: VCH
 DOCUMENT TYPE: Journal
 LANGUAGE: English

=> d hitstr 9

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS, USPATFULL' - CONTINUE? (Y)/N:y

L13 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2000 ACS

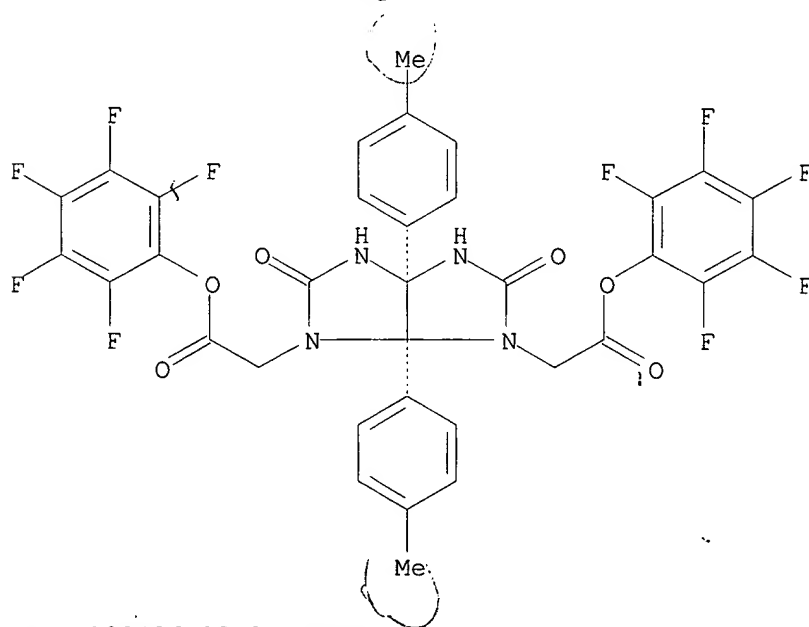
IT 190436-06-7P 190436-07-8P

RL: PEP (Physical, engineering or chemical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
 (chem. selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190436-06-7 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

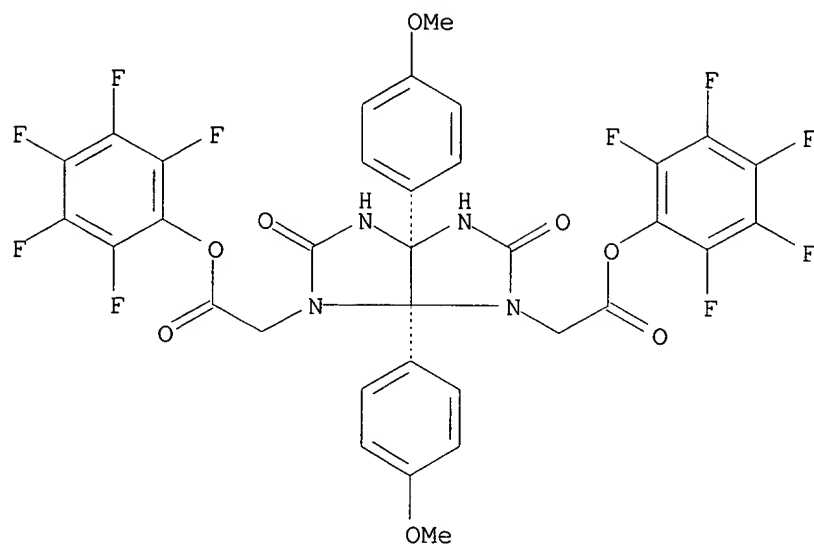


RN 190436-07-8 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA

INDEX NAME)

Relative stereochemistry.



IT 190435-95-1

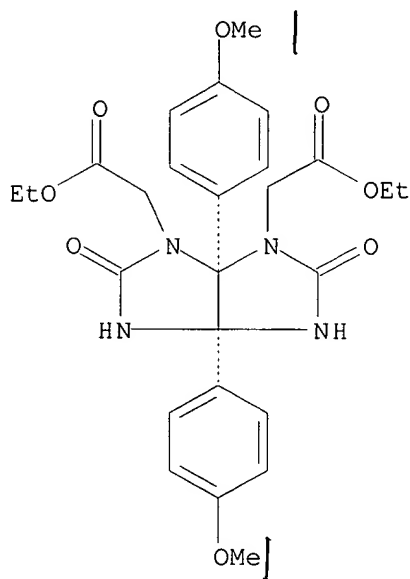
RL: RCT (Reactant)

(chem. selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190435-95-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, diethyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



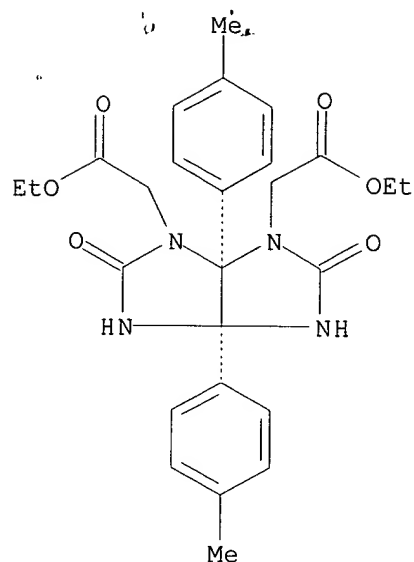
IT 190435-94-0P 190436-00-1P 190436-01-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(chem. selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190435-94-0 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, diethyl ester, cis- (9CI) (CA INDEX NAME)

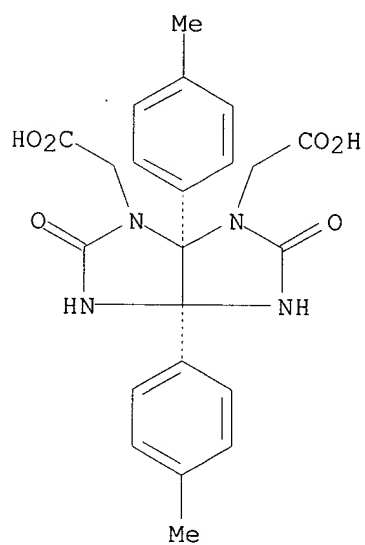
Relative stereochemistry.



RN 190436-00-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

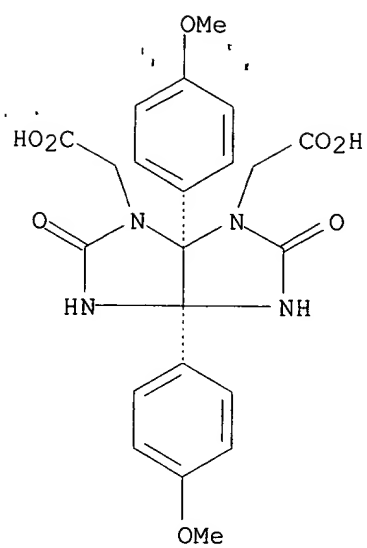
Relative stereochemistry.



RN 190436-01-2 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 2 OF 53 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1999:322944 CAPLUS

DOCUMENT NUMBER: 131:87870

TITLE: Multifunctionalized Glycolurils

AUTHOR(S): Pryor, Kent E.; Rebek, Julius Jr.

CORPORATE SOURCE: The Skaggs Institute for Chemical Biology and
Department of Chemistry, The Scripps Research
Institute, La Jolla, CA, 92037, USA

SOURCE: Org. Lett. (1999), 1(1), 39-42

CODEN: ORLEF7; ISSN: 1523-7060

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 15

REFERENCE(S): (1) Boileau, J; Propellants Explos Pyrotech 1985,
V10,

P118 CAPLUS

(2) Coolen, H; J Org Chem 1996, V61, P4739 CAPLUS

(3) Dave, P; Tetrahedron Lett 1999, V40, P447 CAPLUS

(5) Fang, Y; Hanneng Cailiao 1997, V5, P9 CAPLUS

(6) Kotani, T; Chem Pharm Bull 1997, V45, P297 CAPLUS

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NEWS	3	Feb	1	Addition of Machine-Translated Abstracts to Caplus
NEWS	4	Feb	28	Patent Information Now Searchable in CAOLD
NEWS	5	Mar	20	INPADOC: PRODUCER WARNING ABOUT DATA DELAYS
NEWS	6	Mar	22	NEW FEATURES IN INPADOC - RANGE SEARCHING AND NEW SDI/UPDATE SEARCH FIELD
NEWS	7	May	1	Beilstein Abstracts on STN - FILE BABS
NEWS	8	May	1	RN CROSSOVER AND ANSWER SIZE LIMITS INCREASED
NEWS	9	May	1	AIDSLINE has been reloaded
NEWS	10	May	1	Searching Y2-K compliant Patent Numbers
NEWS	11	May	9	Sequence Similarity Batch Search in DGENE
NEWS	12	May	19	Weekly Statistics for New Entries now available in INPADOC
NEWS	13	May	22	CITED REFERENCES NOW AVAILABLE IN CAPLUS AND CA FILE
NEWS	14	May	22	POSTPROCESSING OF SEARCH RESULTS MAY BE AFFECTED BY ADDITION OF CITED REFERENCES TO CAPLUS, CA, REGISTRY, CASREACT, MARPAT, and MARPATPREV
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FILE 'HOME' ENTERED AT 21:56:57 ON 31 MAY 2000

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L1 STRUCTURE UPLOADED

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SAMPLE SEARCH INITIATED 21:57:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 40 TO ITERATE

100.0% PROCESSED 40 ITERATIONS

39 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 421 TO 1179

PROJECTED ANSWERS: 406 TO 1154

L2 39 SEA SSS SAM L1

=> d

L2 ANSWER 1 OF 39 REGISTRY COPYRIGHT 2000 ACS

RN 249894-45-9 REGISTRY

CN Zinc, (hexyl

3,5-dihydroxybenzoate-.kappa.O')[16,17,20,22,25,26,43,44,47,4

8b,48c,49,52,53-tetradecahydro-48b,48c-diphenyl-6,9:33,36-diimino-

5,37:10,32-di[2]pyrrolyl[5]ylidene-21H,48H-15,18,24,27,42,45,51,54-octaoxa-

20a,21a,47a,48a-tetraazadibenzo[7',8':15',16']cycloeicosino[1',2':4,5]benz

o[1,2-f]dibenzo[7'',8'':15'',16'']cycloeicosino[1'',2'':4',5']benz[1',2':5

,6]azuleno[2,1,8-ija]azulene-21,48-dionato(2-)-

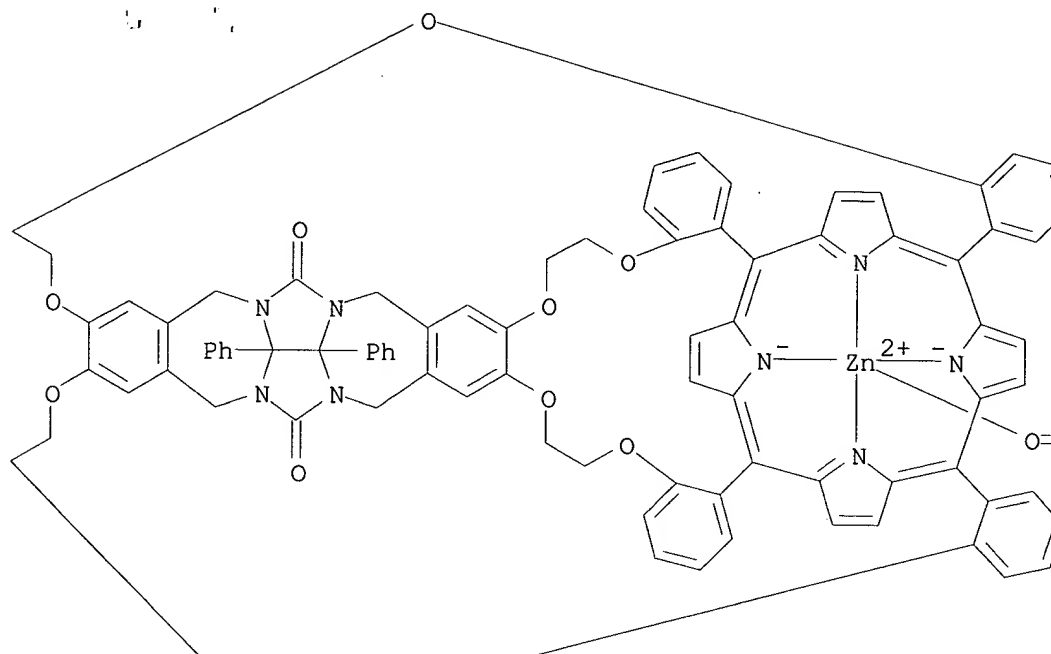
.kappa.N56,.kappa.N60,.kappa.N62,.kappa.N66]-, stereoisomer (9CI) (CA
INDEX NAME)

MF C97 H80 N8 O14 Zn

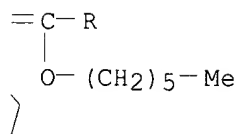
CI CCS

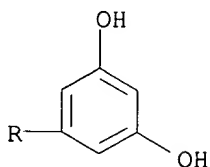
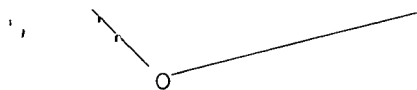
SR CA

LC STN Files: CA, CAPLUS



1)



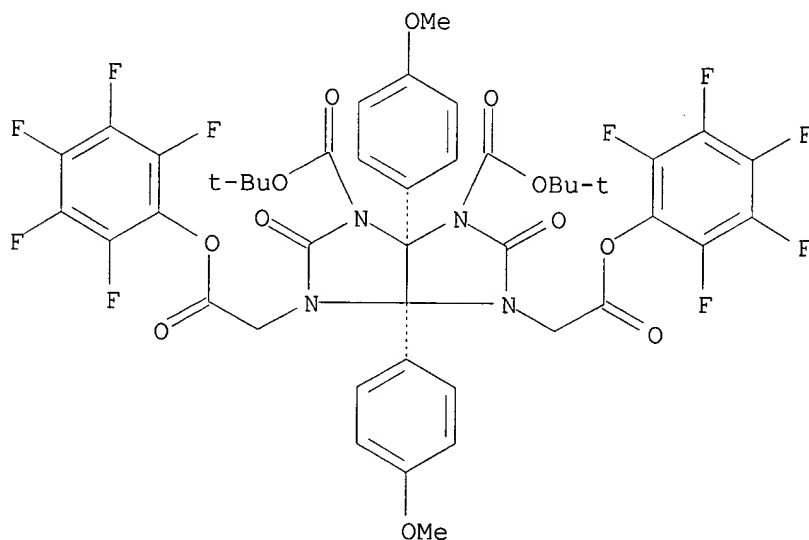


1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> d scan

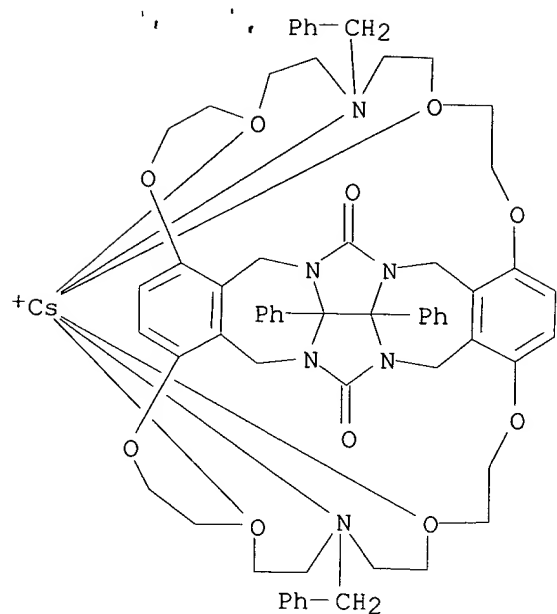
L2 39 ANSWERS REGISTRY COPYRIGHT 2000 ACS
IN Imidazo[4,5-d]imidazole-1,6-diacetic acid, 3,4-bis[(1,1-dimethylethoxy)carbonyl]hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI)
MF C44 H36 F10 N4 O12

Relative stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L2 39 ANSWERS REGISTRY COPYRIGHT 2000 ACS
IN Cesium(1+), [2a,8,9,12,13,14,15,17,18,25,26,29,30,31,32,34,35,38b-octadecahydro-2a,38b-diphenyl-13,30-bis(phenylmethyl)-1H,4H-6,37:20,23-dietheno-2,22:3,21-dimethano-5H,11H,28H,38H-7,10,16,19,24,27,33,36-octaoxa-2,3,4a,13,30,38a-hexaazacyclopenta[cd]cyclotetratriacont[g]azulene-1,4-dione-N13,N30,O10,O16,O27,O33]- (9CI)
MF C62 H68 Cs N6 O10
CI CCS, COM



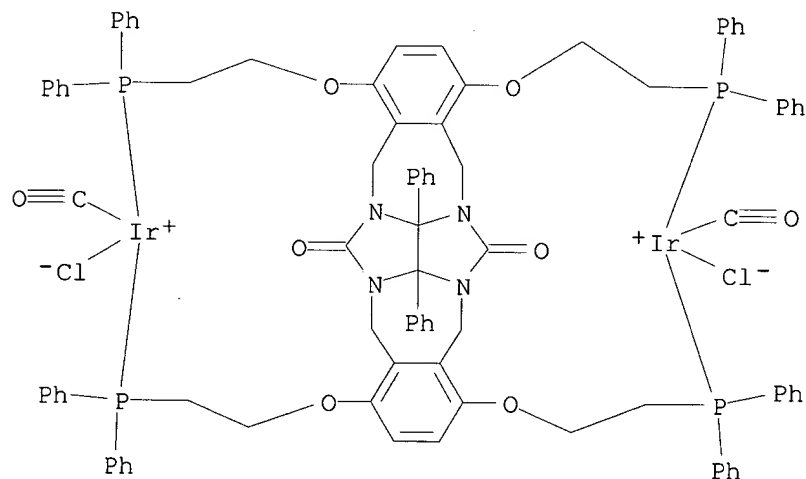
L2 39 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN Iridium,

dicarbonyldichloro[.mu.-[1,4,10,13-tetrakis[2-(diphenylphosphino-
.kappa.P)ethoxy]-5,9,14,18-tetrahydro-19,20-diphenyl-7H,16H-6,17:8,15-
dimethanodibenzo[e,1][1,3,8,10]tetraazacyclotetradecine-7,16-dione]]di-,
stereoisomer (9CI)

MF C90 H78 Cl2 Ir2 N4 O8 P4

CI CCS

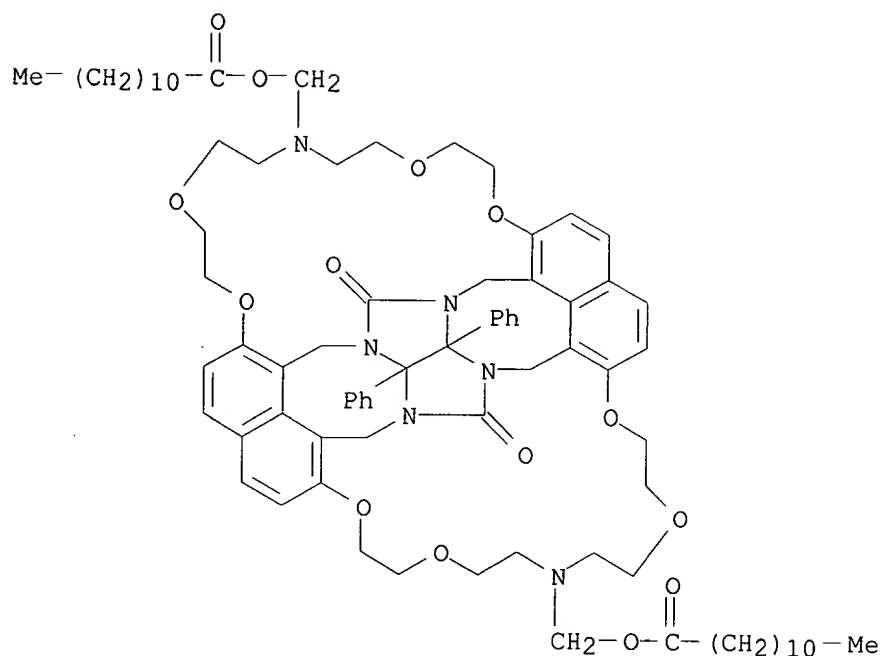


L2 39 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN Dodecanoic acid, 8,9,11,12,14,15,17,18,27a,30a-decahydro-29,33-dioxo-
27a,30a-diphenyl-26H,29H-2,24-(epoxyethanoxyethaniminoethanoxyethanoxy)-
1,30:25,28:27,31-trimethano-13H,32H-imidazo[4,5-r]dinaphtho[2,1-n:1',2'-
v][1,4,10,13,7,17,20]tetraoxatriazacyclotricosine-13,42-diylbis(methylene)
ester (9CI)

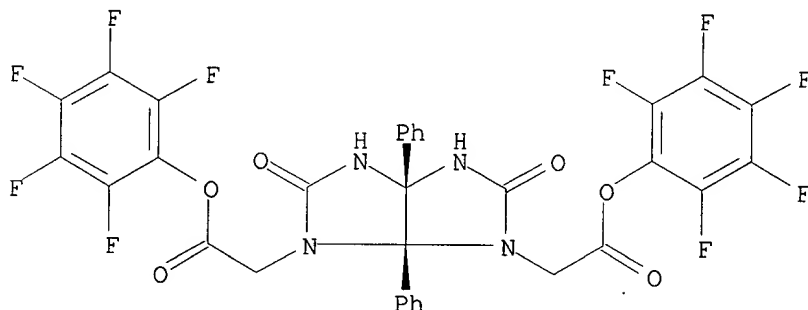
MF C82 H108 N6 O14

CI COM



L2 39 ANSWERS REGISTRY COPYRIGHT 2000 ACS
 IN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, bis(pentafluorophenyl) ester, cis- (9CI)
 MF C32 H16 F10 N4 O6

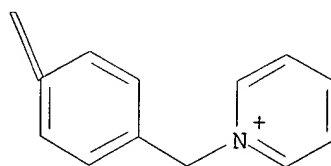
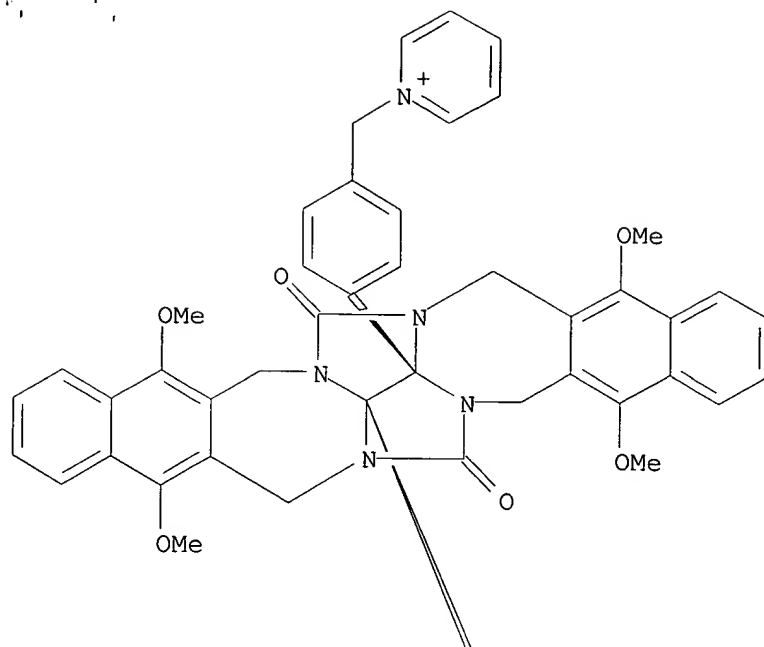
Relative stereochemistry.



L2 39 ANSWERS REGISTRY COPYRIGHT 2000 ACS
 IN Pyridinium,
 1,1'-[(6,8,15,17-tetrahydro-5,9,14,18-tetramethoxy-7,16-dioxo-7H,16H-6a,7a,15a,16a-tetraazanaphth[2',3':5,6]azuleno[2,1,8-ija]naphth[2,3-f]azulene-16b,16c-diyl)bis(4,1-phenylenemethylene)]bis-, dibromide, cis-, compd. with 3,7-dihydro-1,3,7-trimethyl-1H-purine-2,6-dione (1:1) (9CI)
 MF C56 H50 N6 O6 . C8 H10 N4 O2 . 2 Br

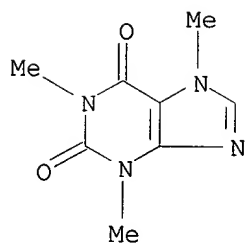
CM 1

Relative stereochemistry.



● 2 Br⁻

CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l1 full

FULL SEARCH INITIATED 21:58:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 906 TO ITERATE

100.0% PROCESSED 906 ITERATIONS
SEARCH TIME: 00.00.01

858 ANSWERS

L3 858 SEA SSS FUL L1

=> file caplu, uspatful

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SINCE FILE	TOTAL
ENTRY	SESSION
128.02	128.17

FULL ESTIMATED COST

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=> s 13

L4 263 L3

=> s 14 carbonyl/in

MISSING OPERATOR L4 CARBONYL/IN

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s 14 and carbonyl/in

L5 0 L4 AND CARBONYL/IN

=> s .14 and carbonyl/cn

'CN' IS NOT A VALID FIELD CODE

'CN' IS NOT A VALID FIELD CODE

L6 0 L4 AND CARBONYL/CN

=> s 14 and carbonyl

L7 4 L4 AND CARBONYL

=> d ibib hitstr 1-

YOU HAVE REQUESTED DATA FROM 4 ANSWERS - CONTINUE? Y/(N):y

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1996:533689 CAPLUS

DOCUMENT NUMBER: 125:221124

TITLE: Molecular recognition of dihydroxy-aromatics with
bis-o-xylyleneglycoluril hosts

AUTHOR(S): Murray, Brian A.; Whelan, Guiseppe S.

CORPORATE SOURCE: Dep. Chem., Univ. Coll. Dublin, Dublin, Ire.

SOURCE: Pure Appl. Chem. (1996), 68(8), 1561-1567

CODEN: PACHAS; ISSN: 0033-4545

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 151079-31-1P 151079-38-8P 151079-39-9P

181432-42-8P

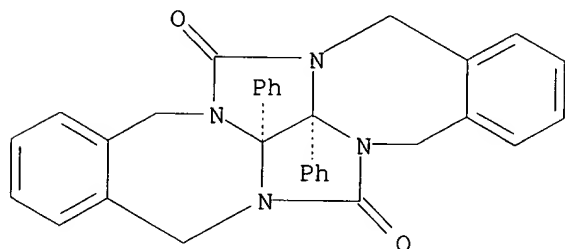
RL: PEP (Physical, engineering or chemical process); PNU (Preparation,
unclassified); PRP (Properties); PREP (Preparation); PROC (Process)
(Mol. recognition of dihydroxy-aroms. with bis-o-xylyleneglycoluril
hosts)

RN 151079-31-1 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-13b,13c-diphenyl-, cis-, compd. with 1,2-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

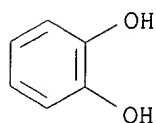
CRN 106319-01-1
CMF C32 H26 N4 O2
CDES 2:CIS

Relative stereochemistry.



CM 2

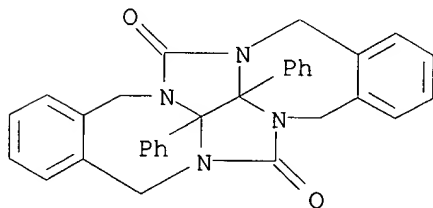
CRN 120-80-9
CMF C6 H6 O2



RN 151079-38-8 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-13b,13c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

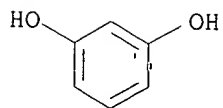
CM 1

CRN 154230-92-9
CMF C32 H26 N4 O2



CM 2

CRN 108-46-3
CMF C6 H6 O2

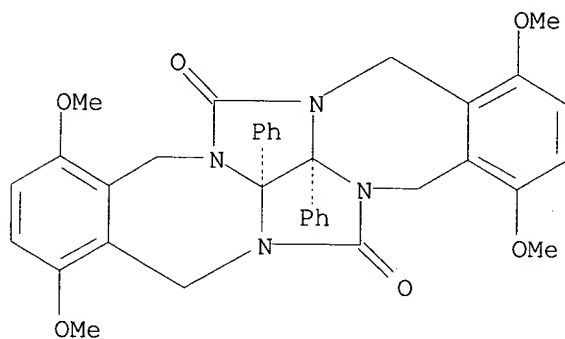


RN 151079-39-9 CAPLUS
 CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

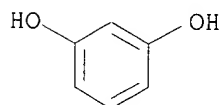
CRN 106319-03-3
 CMF C36 H34 N4 O6
 CDES 2:CIS

Relative stereochemistry.



CM 2

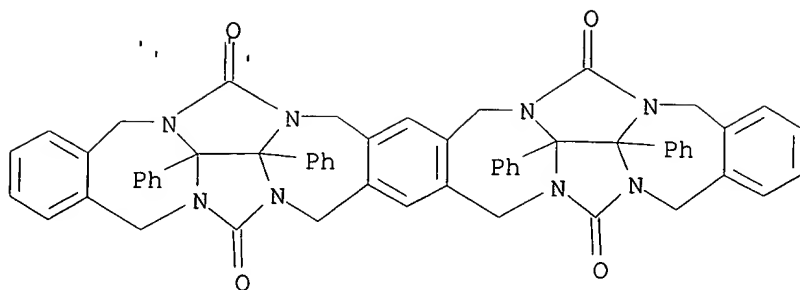
CRN 108-46-3
 CMF C6 H6 O2



RN 181432-42-8 CAPLUS
 CN 6H,7H,10H,17H,18H,21H-5a,6a,9a,10a,16a,17a,20a,21a-Octaazabisbenz[5,6]azuleno[2,1,8-ija:2',1',8'-i'j'a']benzo[1,2-f:4,5-f']diazulene-6,10,17,21-tetrone, 5,9,11,16,17b,17c,20,21b,21c,22-decahydro-17b,17c,21b,21c-tetraphenyl-, (17b.alpha.,17c.alpha.,21b.alpha.,21c.alpha.)-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

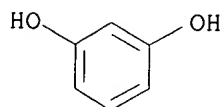
CRN 181432-41-7
 CMF C58 H46 N8 O4
 CDES *



CM 2

CRN 108-46-3

CMF C6 H6 O2



IT 181432-35-9p

RL: PEP (Physical, engineering or chemical process); PRP (Properties);
SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(Mol. recognition of dihydroxy-aroms. with bis-o-xylyleneglycoluril
hosts)

RN 181432-35-9 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-
6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetrahydroxy-13b,13c-
diphenyl-, cis-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

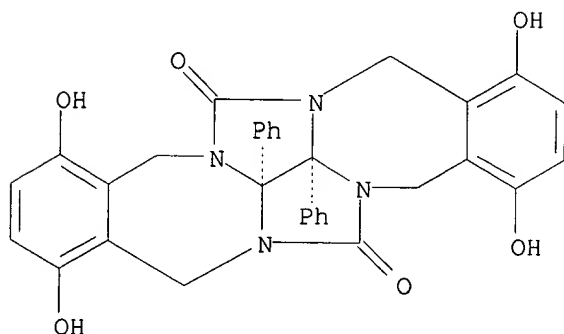
CM 1

CRN 106319-02-2

CMF C32 H26 N4 O6

CDES 2:CIS

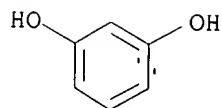
Relative stereochemistry.



CM 2

CRN 108-46-3

CMF C6 H6 O2



L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1994:134371 CAPLUS

DOCUMENT NUMBER: 120:134371

TITLE: Amide- and urea-based synthetic anticonvulsants, antihypoxants and inductors of the hepatic monooxygenase system. IX. Synthesis and search for cytochrome P-450-dependent monooxygenase inductors among carbamide-containing heterocycles

AUTHOR(S): Bakibayev, A. A.; Akmedzhanov, R. R.; Yagovkin, A. Yu.; Novozheyeva, T. P.; Filimov, V. D.; Saratikov, A.

CORPORATE SOURCE: S.
SOURCE: Tomsk. Politekh. Univ., Tomsk, Russia
Khim.-Farm. Zh. (1993), 27(6), 29-33

CODEN: KHFZAN; ISSN: 0023-1134

DOCUMENT TYPE: Journal

LANGUAGE: Russian

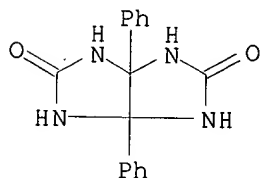
IT 5157-15-3P 28774-02-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hexobarbital-induced sleep extension by)

RN 5157-15-3 CAPLUS

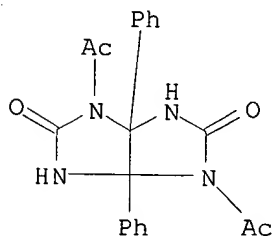
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



RN 28774-02-9 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 1,4-diacetyltetrahydro-3a,6a-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2000 ACS

ACCESSION NUMBER: 1993:649520 CAPLUS

DOCUMENT NUMBER: 119:249520

TITLE: Binding features of molecular clips derived from diphenylglycoluril

AUTHOR(S): Sijbesma, R. P.; Kentgens, A. P. M.; Lutz, E. T. G.; van der Maas, J. H.; Nolte, R. J. M.

CORPORATE SOURCE: NSR Cent., Univ. Nijmegen, Nijmegen, 6525 ED, Neth.
SOURCE: J. Am. Chem. Soc. (1993), 115(20), 8999-9005

DOCUMENT TYPE:
LANGUAGE:
OTHER SOURCE(S):
IT

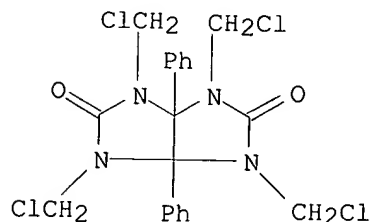
CODEN: JACSAT; ISSN: 0002-7863
Journal
English
CASREACT 119:249520

146443-42-7
RL: RCT (Reactant)

(Friedel-Crafts reaction of, with benzene and dimethoxybenzene)

RN 146443-42-7 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 1,3,4,6-tetrakis(chloromethyl)tetrahydro-3a,6a-diphenyl- (9CI) (CA INDEX NAME)



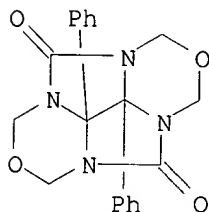
IT 121619-22-5 150899-05-1

RL: PRP (Properties)

(IR and NMR of, effects of guest dihydroxy arom. compd. inclusions on)

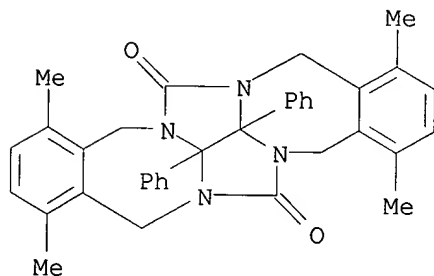
RN 121619-22-5 CAPLUS

CN 1H,3H,4H,5H,7H,8H-2,6-Dioxa-3a,4a,7a,8a-tetraazacyclopenta[def]fluorene-4,8-dione, dihydro-8b,8c-diphenyl- (9CI) (CA INDEX NAME)



RN 150899-05-1 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethyl-13b,13c-diphenyl- (9CI) (CA INDEX NAME)



IT 151079-47-9 151079-48-0 151079-50-4
151079-51-5

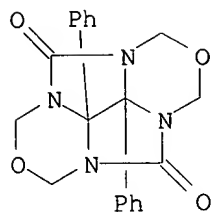
RL: PRP (Properties)

(IR and formation const. of)

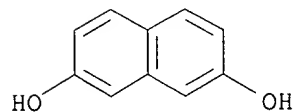
RN 151079-47-9 CAPLUS

CN 1H,3H,4H,5H,7H,8H-2,6-Dioxa-3a,4a,7a,8a-tetraazacyclopenta[def]fluorene-4,8-dione, dihydro-8b,8c-diphenyl-, compd. with 2,7-naphthalenediol (1:1) (9CI) (CA INDEX NAME)

CM 1
 CRN 121619-22-5
 CMF C20 H18 N4 O4

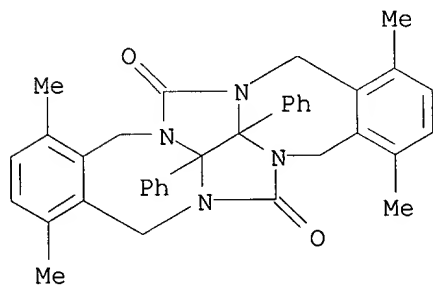


CM 2
 CRN 582-17-2
 CMF C10 H8 O2

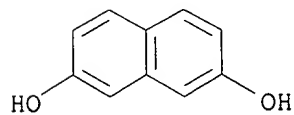


RN 151079-48-0 CAPLUS
 CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13,14-hexahydro-1,4,8,11-tetramethyl-13b,13c-diphenyl-, compd. with 2,7-naphthalenediol (1:1) (9CI) (CA INDEX NAME)

CM 1
 CRN 150899-05-1
 CMF C36 H34 N4 O2



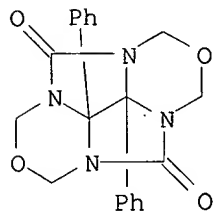
CM 2
 CRN 582-17-2
 CMF C10 H8 O2



RN 151079-50-4 CAPLUS
CN 1H, 3H, 4H, 5H, 7H, 8H-2, 6-Dioxa-3a, 4a, 7a, 8a-tetraazacyclopenta[def]fluorene-4, 8-dione, dihydro-8b, 8c-diphenyl-, compd. with phenol (1:1) (9CI) (CA INDEX NAME)

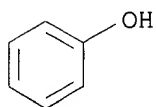
CM 1

CRN 121619-22-5
CMF C20 H18 N4 O4



CM 2

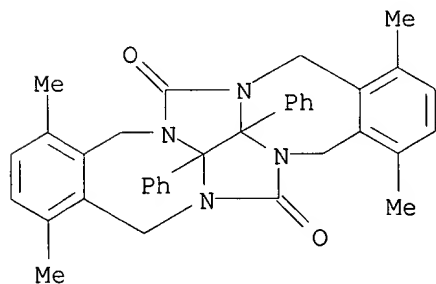
CRN 108-95-2
CMF C6 H6 O



RN 151079-51-5 CAPLUS
CN 6H, 13H-5a, 6a, 12a, 13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6, 13-dione, 5, 7, 12, 13b, 13, 14-hexahydro-1, 4, 8, 11-tetramethyl-13b, 13c-diphenyl-, compd. with phenol (1:1) (9CI) (CA INDEX NAME)

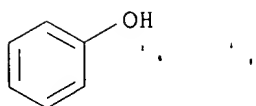
CM 1

CRN 150899-05-1
CMF C36 H34 N4 O2



CM 2

CRN 108-95-2
CMF C6 H6 O



IT 5157-15-3

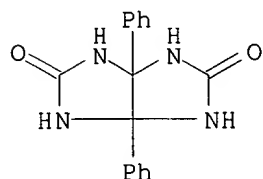
RL: PRP (Properties)

(IR of, in potassium bromide or in soln.)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



IT 151079-34-4 151079-39-9 151079-40-2

RL: PRP (Properties)

(IR, NMR, and formation const. of)

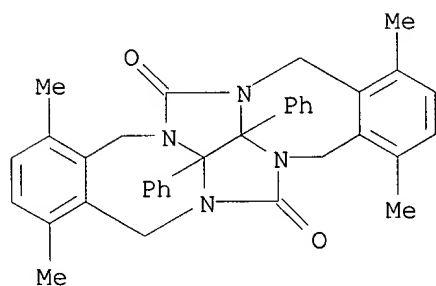
RN 151079-34-4 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-
6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethyl-13b,13c-
diphenyl-, compd. with 1,2-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 150899-05-1

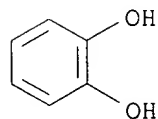
CMF C36 H34 N4 O2



CM 2

CRN 120-80-9

CMF C6 H6 O2



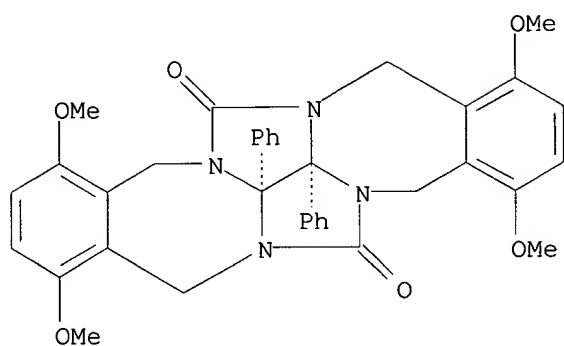
RN 151079-39-9 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-
6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-
diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

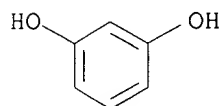
CRN 106319-03-3
CMF C36 H34 N4 O6
CDES 2:CIS

Relative stereochemistry.



CM 2

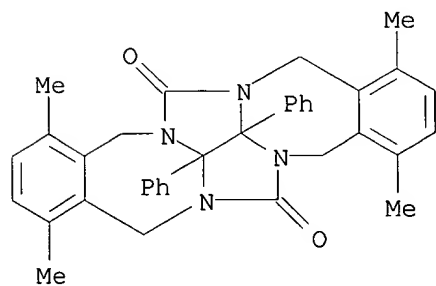
CRN 108-46-3
CMF C6 H6 O2



RN 151079-40-2 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13,14-hexahydro-1,4,8,11-tetramethyl-13b,13c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

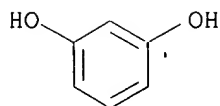
CM 1

CRN 150899-05-1
CMF C36 H34 N4 O2



CM 2

CRN 108-46-3
CMF C6 H6 O2



IT 106319-01-1 135586-88-8

RL: PRP (Properties)

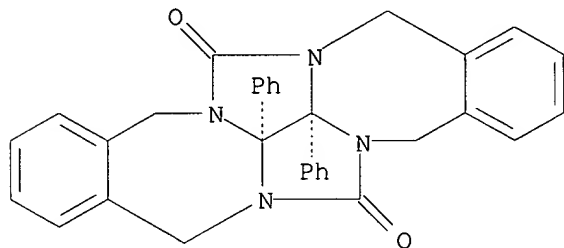
(NMR of, effect of guest dihydroxy arom. compd. inclusions on)

RN 106319-01-1 CAPLUS

CN 6H, 13H-5a, 6a, 12a, 13a-Tetraazabenz[5, 6]azuleno[2, 1, 8-ija]benz[f]azulene-6, 13-dione, 5, 7, 12, 13b, 13c, 14-hexahydro-13b, 13c-diphenyl-, cis- (9CI)

(CA INDEX NAME)

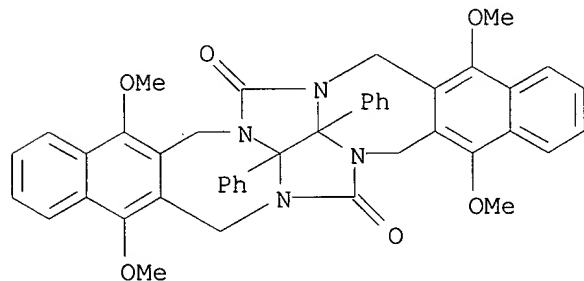
Relative stereochemistry.



RN 135586-88-8 CAPLUS

CN

7H,16H-6a,7a,15a,16a-Tetraazanaphth[2',3':5,6]azuleno[2,1,8-ija]naphth[2,3-f]azulene-7,16-dione, 6,8,15,16b,16c,17-hexahydro-5,9,14,18-tetramethoxy-16b,16c-diphenyl- (9CI) (CA INDEX NAME)



IT 151079-28-6 151079-29-7 151079-31-1

151079-33-3 151079-35-5 151079-36-6

151079-37-7 151079-38-8 151079-41-3

151079-42-4 151079-43-5

RL: PRP (Properties)

(NMR, and formation const. of)

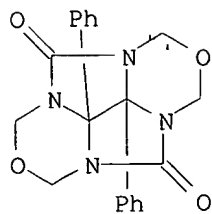
RN 151079-28-6 CAPLUS

CN 1H, 3H, 4H, 5H, 7H, 8H-2, 6-Dioxo-3a, 4a, 7a, 8a-tetraazacyclopenta[def]fluorene-4, 8-dione, dihydro-8b, 8c-diphenyl-, compd. with 1, 2-benzenediol (1:1)
(9CI) (CA INDEX NAME)

CM 1

CRN 121619-22-5

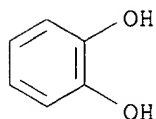
CMF C20 H18 N4 O4



CM 2

CRN 120-80-9

CMF C6 H6 O2



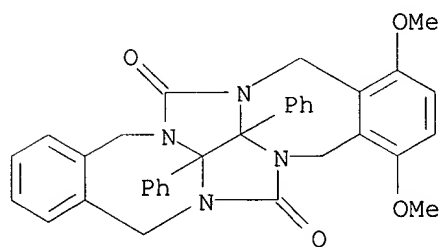
RN 151079-29-7 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4-dimethoxy-13b,13c-diphenyl-, compd. with 1,2-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133729-62-1

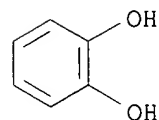
CMF C34 H30 N4 O4



CM 2

CRN 120-80-9

CMF C6 H6 O2



RN 151079-31-1 CAPLUS

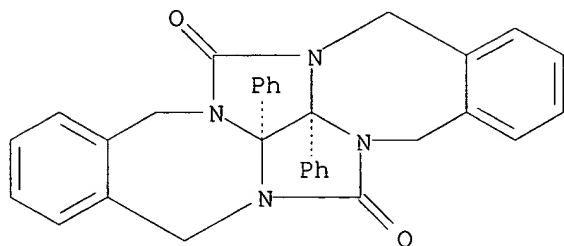
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-13b,13c-diphenyl-, cis-, compd. with 1,2-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 106319-01-1

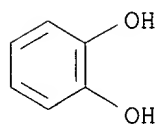
CMF C32 H26 N4 O2
CDES 2:CIS

Relative stereochemistry.



CM 2

CRN 120-80-9
CMF C6 H6 O2

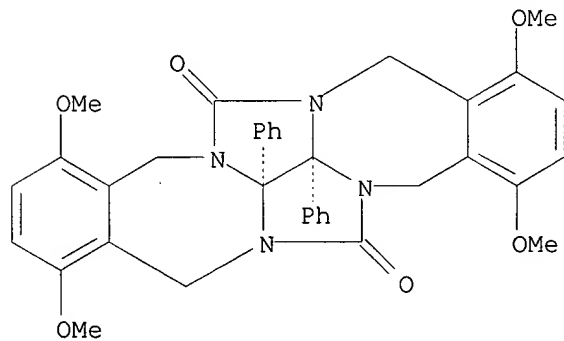


RN 151079-33-3 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl-, cis-, compd. with 1,2-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

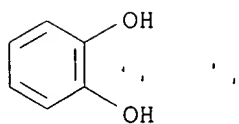
CRN 106319-03-3
CMF C36 H34 N4 O6
CDES 2:CIS

Relative stereochemistry.



CM 2

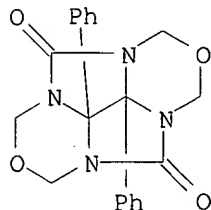
CRN 120-80-9
CMF C6 H6 O2



RN 151079-35-5 CAPLUS
 CN 1H,3H,4H,5H,7H,8H-2,6-Dioxa-3a,4a,7a,8a-tetraazacyclopenta[def]fluorene-4,8-dione, dihydro-8b,8c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

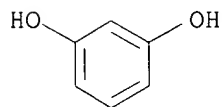
CM 1

CRN 121619-22-5
 CMF C20 H18 N4 O4



CM 2

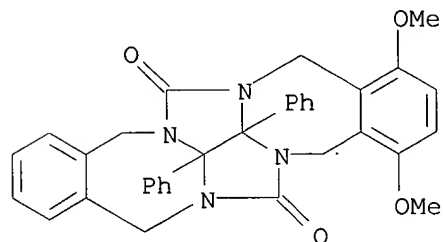
CRN 108-46-3
 CMF C6 H6 O2



RN 151079-36-6 CAPLUS
 CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4-dimethoxy-13b,13c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

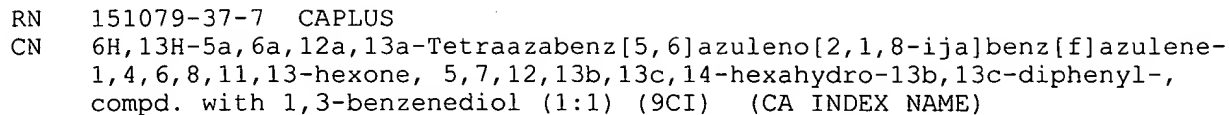
CRN 133729-62-1
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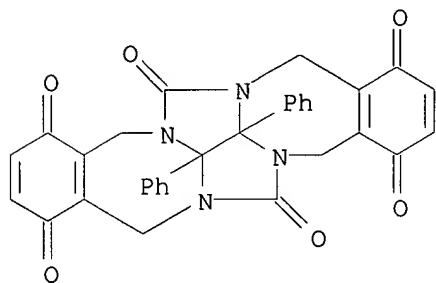
CM 2

CRN 108-46-3

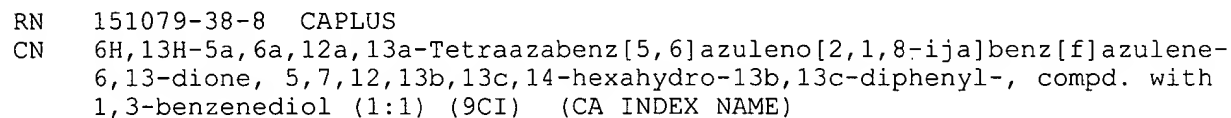
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1



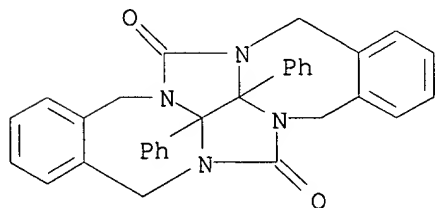
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CMF C32 H22 N4 O6



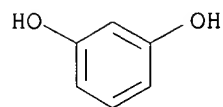
CRN 108-46-3
CMF C6 H6 O2



CRN 154230-92-9
CMF C32 H26 N4 O2



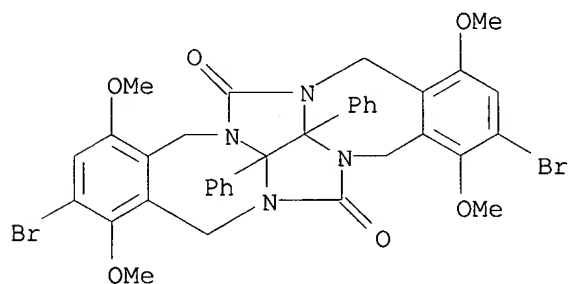
CM 2
CRN 108-46-3
CMF C6 H6 O2



RN 151079-41-3 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione,
2,10-dibromo-5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-
13b,13c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX
NAME)

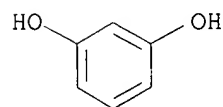
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CRN 150899-06-2
CMF C36 H32 Br2 N4 O6



CM 2

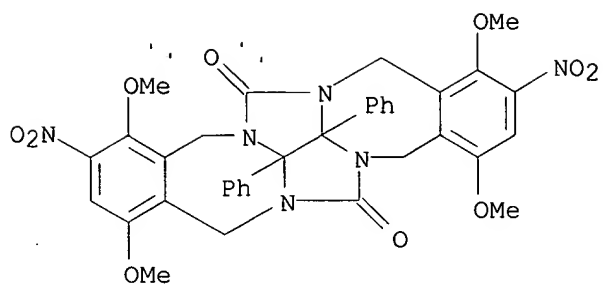
CRN 108-46-3
CMF C6 H6 O2



RN 151079-42-4 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione,
5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-2,10-dinitro-
13b,13c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX
NAME)

CM 1

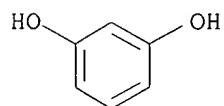
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CM 2

CRN 108-46-3

CMF C6 H6 O2



RN 151079-43-5 CAPLUS

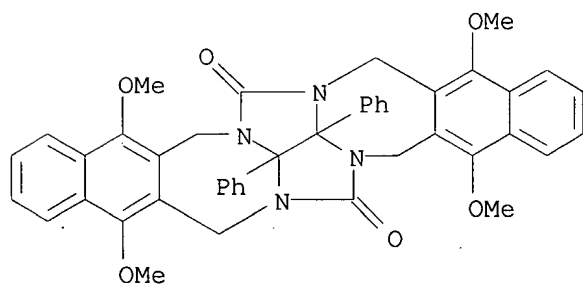
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7H,16H-6a,7a,15a,16a-Tetraazanaphth[2',3':5,6]azuleno[2,1,8-ija]naphth[2,3-f]azulene-7,16-dione, 6,8,15,16b,16c,17-hexahydro-5,9,14,18-tetramethoxy-16b,16c-diphenyl-, compd. with 1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 135586-88-8

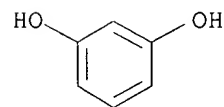
CMF C44 H38 N4 O6



CM 2

CRN 108-46-3

CMF C6 H6 O2



IT 151079-44-6 151079-45-7 151079-46-8

RL: PRP (Properties)

(formation const. of)

RN 151079-44-6 CAPLUS

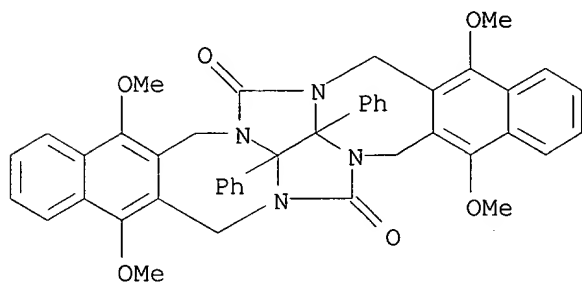
CN

7H,16H-6a,7a,15a,16a-Tetraazanaphth[2',3':5,6]azuleno[2,1,8-ija]naphth[2,3-f]azulene-7,16-dione, 6,8,15,16b,16c,17-hexahydro-5,9,14,18-tetramethoxy-16b,16c-diphenyl-, compd. with 1,2-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 135586-88-8

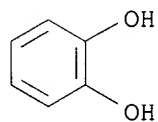
CMF C44 H38 N4 O6



CM 2

CRN 120-80-9

CMF C6 H6 O2



RN 151079-45-7 CAPLUS

CN

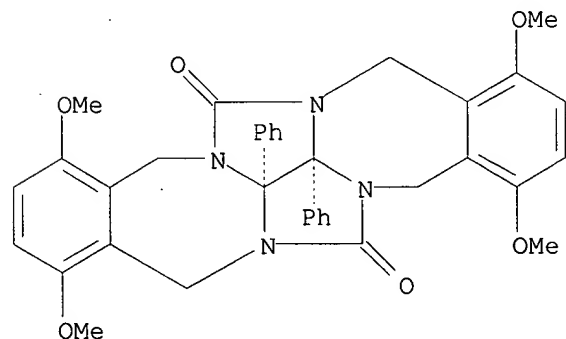
6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl-, compd. with 4,6-dibromo-1,3-benzenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 106319-03-3

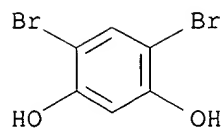
CMF C36 H34 N4 O6

CDES 2:CIS



Relative stereochemistry.

CM , 2 , ,
CRN 61524-51-4
CMF C6 H4 Br2 O2

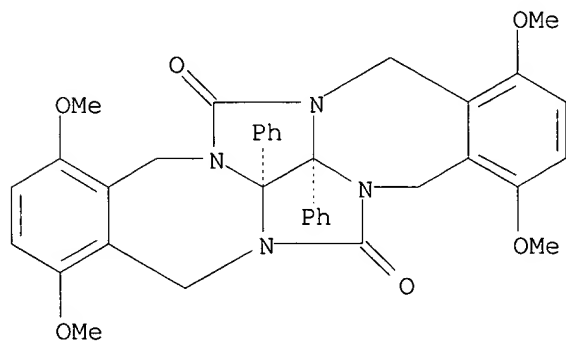


RN 151079-46-8 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl-, compd. with 2,7-naphthalenediol (1:1) (9CI) (CA INDEX NAME)

CM 1

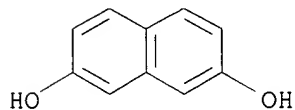
CRN 106319-03-3
CMF C36 H34 N4 O6
CDES 2:CIS

Relative stereochemistry.



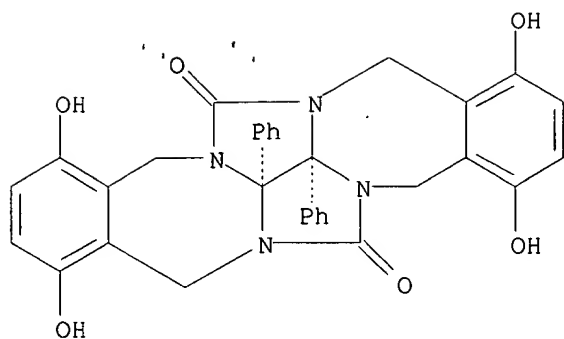
CM 2

CRN 582-17-2
CMF C10 H8 O2



IT **106319-02-2**
RL: RCT (Reactant)
(oxidn. of, to quinone deriv.)
RN 106319-02-2 CAPLUS
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetrahydroxy-13b,13c-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.

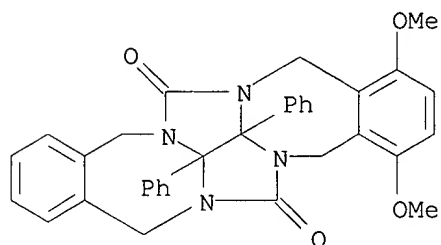


IT 133729-62-1P 150899-02-8P 150899-06-2P
150899-07-3P 150899-08-4P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and NMR of, effect of guest dihydroxy arom. compd. inclusions
on)

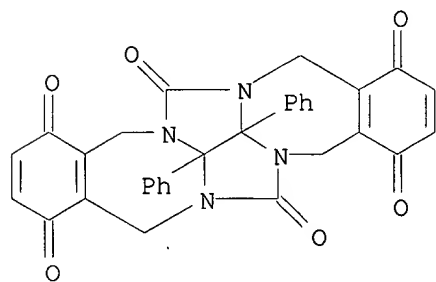
RN 133729-62-1 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-
6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4-dimethoxy-13b,13c-diphenyl-
(9CI) (CA INDEX NAME)



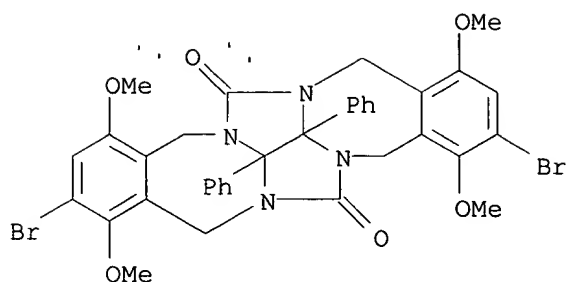
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1,4,6,8,11,13-hexone, 5,7,12,13b,13c,14-hexahydro-13b,13c-diphenyl- (9CI)
(CA INDEX NAME)

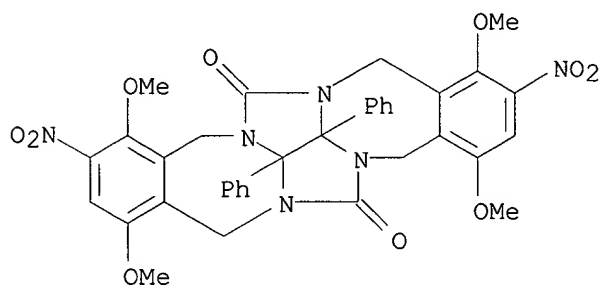


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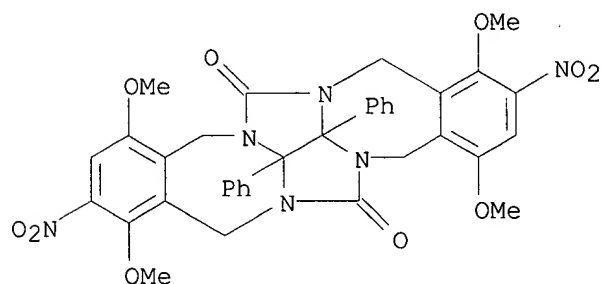
CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-
6,13-dione,
2,10-dibromo-5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-
13b,13c-diphenyl- (9CI) (CA INDEX NAME)



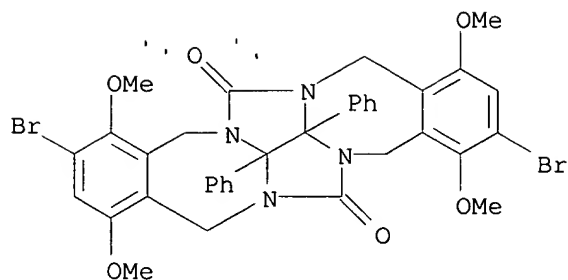
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 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-2,10-dinitro-13b,13c-diphenyl- (9CI) (CA INDEX NAME)



RN 150899-08-4 CAPLUS
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 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-2,9-dinitro-13b,13c-diphenyl- (9CI) (CA INDEX NAME)



IT **150899-10-8P**
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and spectra of)
 RN 150899-10-8 CAPLUS
 CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione,
 2,9-dibromo-5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl- (9CI) (CA INDEX NAME)



IT 106319-03-3

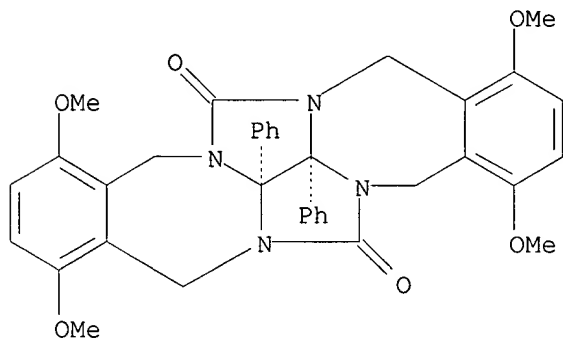
RL: PRP (Properties)

(reactions and IR and NMR of, effects of guest dihydroxy arom. compd. inclusions on)

RN 106319-03-3 CAPLUS

CN 6H,13H-5a,6a,12a,13a-Tetraazabenz[5,6]azuleno[2,1,8-ija]benz[f]azulene-6,13-dione, 5,7,12,13b,13c,14-hexahydro-1,4,8,11-tetramethoxy-13b,13c-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L7 ANSWER 4 OF 4 USPATFULL

ACCESSION NUMBER: 89:43437 USPATFULL

TITLE: Glycoluril derivatives

INVENTOR(S): Aumuller, Alexander, Deidesheim, Germany, Federal Republic of

Neumann, Peter, Wiesloch, Germany, Federal Republic of
Trauth, Hubert, Dudenhofen, Germany, Federal Republic of

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, Germany, Federal

Republic of (non-U.S. corporation)

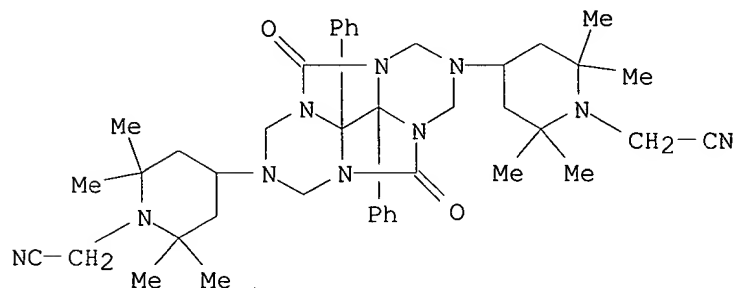
	NUMBER	DATE
PATENT INFORMATION:	US 4835273	19890530
APPLICATION INFO.:	US 1987-133625	19871216 (7)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1986-3643892	19861222
DOCUMENT TYPE:	Utility	
PRIMARY EXAMINER:	Ford, John M.	
LEGAL REPRESENTATIVE:	Oblon, Fisher, Spivak, McClelland & Maier	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	472	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 117732-83-9P

(heat and light stabilizers for polymers, manuf. of)
 RN 117732-83-9 USPATFULL
 CN 1-Piperidiheacetonitrile, 4,4'-(dihydro-4,8-dioxo-8b,8c-diphenyl-
 1H,4H,5H,8H-2,3a,4a,6,7a,8a-hexaazacyclopenta[def]fluorene-2,6(3H,7H)-
 diyl)bis[2,2,6,6-tetramethyl- (9CI) (CA INDEX NAME)



=> d his

(FILE 'HOME' ENTERED AT 21:56:57 ON 31 MAY 2000)

FILE 'REGISTRY' ENTERED AT 21:57:24 ON 31 MAY 2000

L1 STRUCTURE UPLOADED
 L2 39 S L1
 L3 858 S L1 FULL

FILE 'CAPLUS, USPATFULL' ENTERED AT 21:58:50 ON 31 MAY 2000

L4 263 S L3
 L5 0 S L4 AND CARBONYL/IN
 L6 0 S L4 AND CARBONYL/CN
 L7 4 S L4 AND CARBONYL

=> d 12 full

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> d 12 full 1

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

'FULL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
 SAM - Index Name, MF, and structure - no RN
 FIDE - All substance data, except sequence data
 IDE - FIDE, but only 50 names
 SQIDE - IDE, plus sequence data
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
 SQD - Protein sequence data, includes RN
 SQD3 - Same as SQD, but 3-letter amino acid codes are used
 SQN - Protein sequence name information, includes RN

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
 APPS -- Application and Priority Information
 BIB -- CA Accession Number, plus Bibliographic Data
 CAN -- CA Accession Number
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
 IND -- Index Data
 IPC -- International Patent Classification
 PATS -- PI, SO
 STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
 IBIB -- BIB, indented, with text labels
 ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
 HELP FORMATS -- To see detailed descriptions of the predefined formats.
 ENTER DISPLAY FORMAT (IDE): all

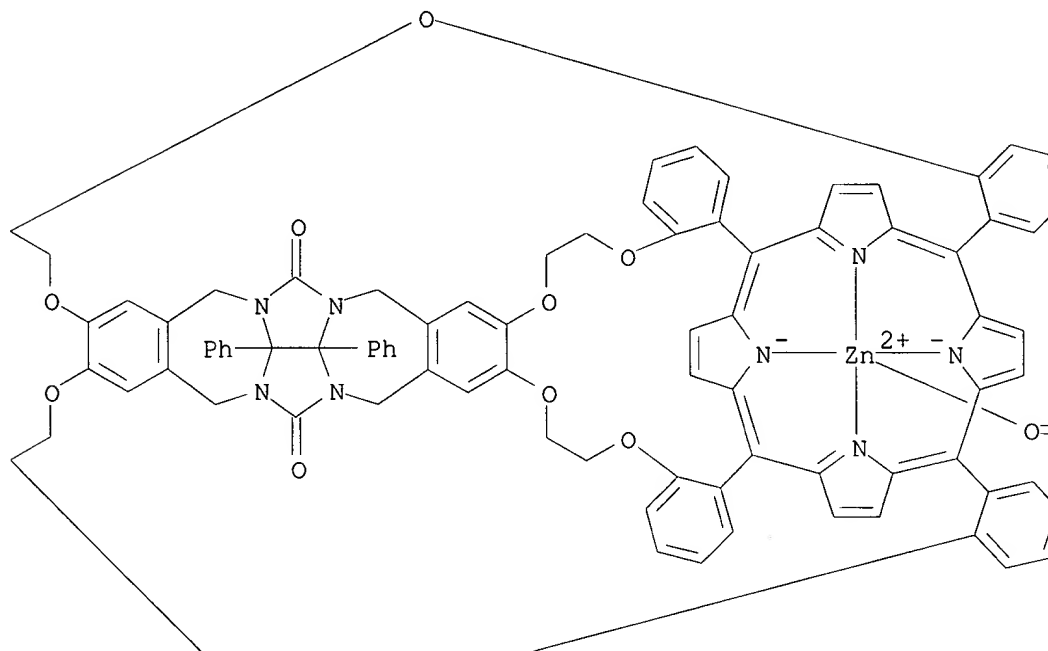
L2 ANSWER 1 OF 39 REGISTRY COPYRIGHT 2000 ACS
 RN 249894-45-9 REGISTRY
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 3,5-dihydroxybenzoate-.kappa.O') [16,17,20,22,25,26,43,44,47,4
 8b,48c,49,52,53-tetradecahydro-48b,48c-diphenyl-6,9:33,36-diimino-
 5,37:10,32-di{2}pyrrolyl[5]ylidene-21H,48H-15,18,24,27,42,45,51,54-octaoxa-
 20a,21a,47a,48a-tetraazadibenzo[7',8':15',16']cycloeicosino[1',2':4,5]benz
 o[1,2-f]dibenzo[7'',8'':15'',16'']cycloeicosino[1'',2'':4',5']benz[1',2':5
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 .kappa.N56,.kappa.N60,.kappa.N62,.kappa.N66]-, stereoisomer (9CI) (CA
 INDEX NAME)
 MF C97 H80 N8 O14 Zn
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS

Ring System Data

Elemental Analysis EA	Elemental Sequence ES	Size of the Rings SZ	Ring System Formula RF	Ring Identifier RID	RID Occurrence Count
C6	C6	6	C6	46.150.18	3
C3N2-C3N2-	NCNC2-NCNC2-	5-5-5-5-5-5-	C72N8O8Zn	80842.1.1	1

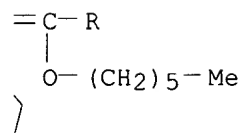
C4N-C4N-C4N-	NC4-NC4-NC4-	6-6-6-6-6-6-			
C4N-C3N2Zn-	NC4-NZnNC3-	6-6-6-6-7-7-			
C3N2Zn-	NZnNC3-	19-19-28			
C3N2Zn-	NZnNC3-				
C3N2Zn-C6-C6-	NZnNC3-C6-C6-				
C6-C6-C6-C6-	C6-C6-C6-C6-				
C5N2-C5N2-	NCNC4-NCNC4-				
C14NO4-	NC4OC2OC2OC2O				
C14NO4-	C4-				
C21N3O4	NC4OC2OC2OC2O				
	C4-				
	NCNC4OC2OC4NC				
	4OC2OC4				

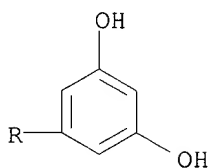
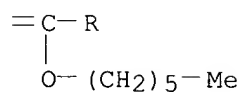
PAGE 1-A



PAGE 1-B

>





1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1

AN 131:336860 CA
TI Porphyrin Clips Derived from Diphenylglycoluril. Synthesis,
Conformational
Analysis, and Binding Properties
AU Elemans, Johannes A. A. W.; Claase, Menno B.; Aarts, Patrick P. M.;
Rowan,
Alan E.; Schenning, Albertus P. H. J.; Nolte, Roeland J. M.
CS Department of Organic Chemistry NSR Center, University of Nijmegen,
Nijmegen, 6525 ED, Neth.
SO J. Org. Chem. (1999), 64(19), 7009-7016
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
CC 26-7 (Biomolecules and Their Synthetic Analogs)
Section cross-reference(s): 78
AB With the aim to construct synthetic systems that function according to
the
principles of enzymes, mol. clips based on diphenylglycoluril were
covalently attached to (metallo)porphyrins. Two different porphyrin
clips

were synthesized that differ in the length and position of the linker between the clip and the porphyrin. This resulted in a great difference in flexibility of the cavity molcs., which had remarkable consequences for their binding properties in org. soln. The phys. properties of the free base and zinc porphyrin clips have been studied in detail with NMR techniques and by the host-guest binding of viologen, dihydroxybenzene, and pyridine derivs.

ST porphyrin diphenylglycoluril crown prepn conformation complexation

IT Conformation

Inclusion reaction

(prepn., conformation, and host-guest complexation of porphyrin diphenylglycoluril crown compds.)

IT 108-46-3, 1,3-Dihydroxybenzene, reactions 37622-61-0 67994-95-0

RL: PRP (Properties); RCT (Reactant)

(assocn. const. for host-guest complex formation with porphyrin diphenylglycoluril crown compds.)

IT 109-00-2, 3-Hydroxypyridine 110-86-1, Pyridine, reactions 626-64-2, 4-Hydroxypyridine

RL: PRP (Properties); RCT (Reactant)

(assocn. const. for host-guest complex formation with zinc porphyrin diphenylglycoluril crown compds.)

IT 139365-90-5P

RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)

(prepn. and assocn. const. for host-guest complex formation with porphyrin diphenylglycoluril crown compds.)

IT 205872-33-9P 205872-38-4P 249894-25-5P 249894-26-6P 249894-27-7P

249894-29-9P 249894-31-3P 249894-33-5P 249894-36-8P 249894-39-1P

249894-41-5P 249894-43-7P 249894-45-9P 249894-47-1P 249894-48-2P

249894-50-6P 249894-52-8P 249894-53-9P 249894-54-0P 249894-55-1P

249894-56-2P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

(prepn., conformation, and host-guest complexation of porphyrin diphenylglycoluril crown compds.)

IT 144710-98-5

RL: RCT (Reactant)

(prepn., conformation, and host-guest complexation of porphyrin diphenylglycoluril crown compds.)

IT 54535-06-7P 205872-32-8P 249894-18-6P 249894-19-7P 249894-20-0P

249894-21-1P 249894-22-2P 249894-23-3P 249894-24-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)

(prepn., conformation, and host-guest complexation of porphyrin diphenylglycoluril crown compds.)

IT 90-02-8, Salicylaldehyde, reactions 100-83-4, 3-Hydroxybenzaldehyde

109-97-7, Pyrrole 10234-40-9, 1,2-Bis(2-hydroxyethoxy)benzene

RL: RCT (Reactant)

(reactant for prepn. of porphyrin diphenylglycoluril crown compds.)

IT 540-51-2, 2-Bromoethanol 553-26-4, 4,4'-Bipyridine

RL: RCT (Reactant)

(reactant for prepn. of viologen deriv.)

RE.CNT 31

(1) Anderson, H; Angew Chem 1994, V106, P445 CAPLUS

(2) Anderson, H; J Chem Soc Perkin Trans 1 1995, P2231 CAPLUS

(3) Benson, D; Angew Chem 1990, V102, P213 CAPLUS

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(9) Elemans, J; manuscript in preparation

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 (22) Resident and Fellows of Harvard College; CHARMM version 220 Revision 920911 1984-1992
 (23) Rowan, A; Chem Commun 1998, P611 CAPLUS
 (24) Rudkevich, D; Tetrahedron Lett 1994, V35, P7131 CAPLUS
 (25) Schenning, A; Angew Chem Int Ed 1994, V33, P2468
 (26) Schenning, A; Angew Chem Int Ed 1995, V34, P2132 CAPLUS
 (27) Schenning, A; Chem Eur J 1998, V4, P871 CAPLUS
 (28) Sijbesma, R; J Am Chem Soc 1992, V114, P9807 CAPLUS
 (29) Sijbesma, R; Recl Trav Chim Pays-Bas 1993, V112, P643 CAPLUS
 (30) Walter, C; J Chem Soc Chem Commun 1993, P458 CAPLUS
 (31) Weber, L; J Am Chem Soc 1994, V116, P2400 CAPLUS

=> \file stnguide

\FILE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
 For a list of commands available to you in the current file, enter
 "HELP COMMANDS" at an arrow prompt (=>).

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	1.37	168.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.53

FILE 'STNGUIDE' ENTERED AT 22:02:28 ON 31 MAY 2000
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 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: May 26, 2000 (20000526/UP).

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND
 command can only be used to look at the index in a file which has an
 index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
 commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.00	168.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.53

FILE 'REGISTRY' ENTERED AT 22:07:20 ON 31 MAY 2000

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STRUCTURE FILE UPDATES: 30 MAY 2000 HIGHEST RN 267245-35-2
DICTIONARY FILE UPDATES: 30 MAY 2000 HIGHEST RN 267245-35-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

Uploading 09246468.str

L8 STRUCTURE UPLOADED

=> s 18

SAMPLE SEARCH INITIATED 22:07:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 40 TO ITERATE

100.0% PROCESSED 40 ITERATIONS
SEARCH TIME: 00.00.01

5 ANSWERS

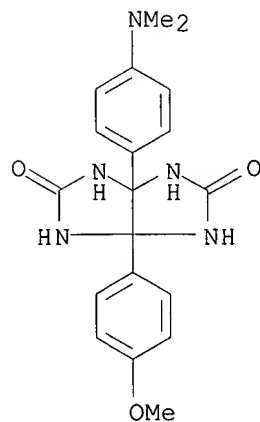
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 421 TO 1179
PROJECTED ANSWERS: 5 TO 234

L9 5 SEA SSS SAM L8

=> d scan

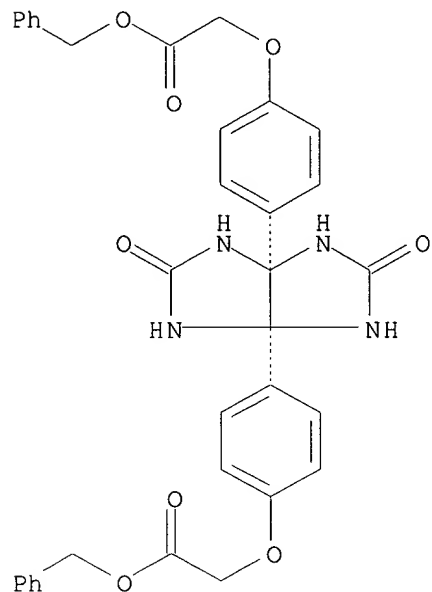
L9 5 ANSWERS REGISTRY COPYRIGHT 2000 ACS
IN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a-[4-
(dimethylamino)phenyl]tetrahydro-6a-(4-methoxyphenyl)- (9CI)
MF C19 H21 N5 O3



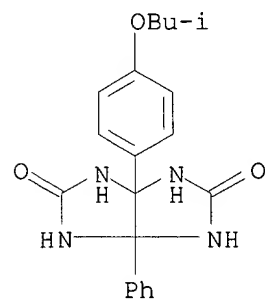
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

L9 5 ANSWERS, REGISTRY COPYRIGHT 2000 ACS
 IN Acetic acid, 2,2'-[(cis-tetrahydro-2,5-dioxoimidazo[4,5-d]imidazole-3a,6a(1H,4H)-diyl)bis(4,1-phenyleneoxy)]bis-, bis(phenylmethyl) ester (9CI)
 MF C34 H30 N4 O8

Relative stereochemistry.

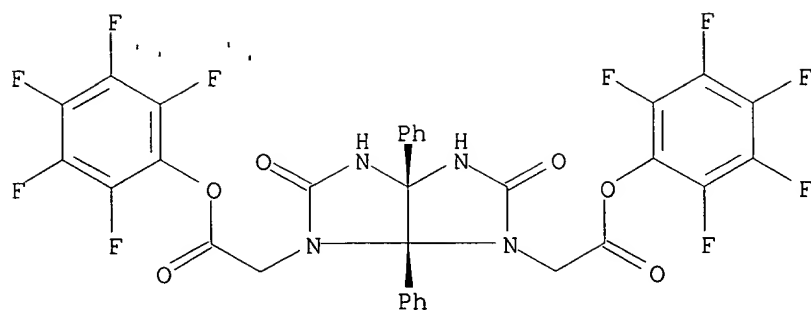


L9 5 ANSWERS REGISTRY COPYRIGHT 2000 ACS
 IN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-(2-methylpropoxy)phenyl]-6a-phenyl- (9CI)
 MF C20 H22 N4 O3



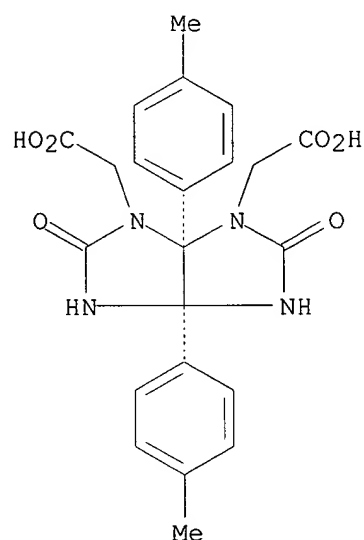
L9 5 ANSWERS REGISTRY COPYRIGHT 2000 ACS
 IN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, bis(pentafluorophenyl) ester, cis- (9CI)
 MF C32 H16 F10 N4 O6

Relative stereochemistry.



L9 5 ANSWERS REGISTRY COPYRIGHT 2000 ACS
 IN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, cis- (9CI)
 MF C22 H22 N4 O6

Relative stereochemistry.



ALL ANSWERS HAVE BEEN SCANNED

=> s 18 full

FULL SEARCH INITIATED 22:08:28 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 906 TO ITERATE

100.0% PROCESSED 906 ITERATIONS
 SEARCH TIME: 00.00.01

52 ANSWERS

L10 52 SEA SSS FUL L8

=> file caplu, uspatful

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	126.60	295.51
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

FILE 'CAPLUS' ENTERED AT 22:08:39 ON 31 MAY 2000
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=> s l 10

L11 8124 L 10

=> s l10

L12 53 L10

=> dup rem l12

PROCESSING COMPLETED FOR L12

L13 53 DUP REM L12 (0 DUPLICATES REMOVED)

=> d hit str 1-10

'STR' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

=> d hitstr 1-10

L13 ANSWER 1 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 5157-15-3

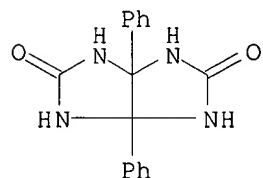
RL: RCT (Reactant)

(manuf. of tetraallylglycolurils as intermediates for fireproofing agents for resins)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)

(CA INDEX NAME)



L13 ANSWER 2 OF 53 CAPLUS COPYRIGHT 2000 ACS

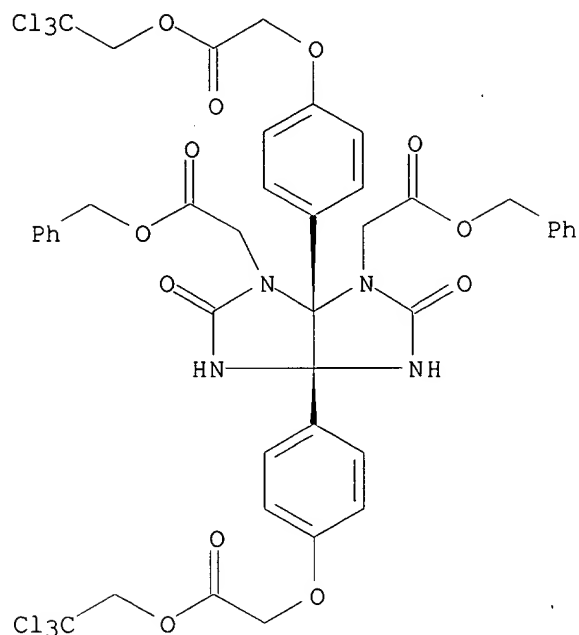
IT 229623-71-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and conversion to diacid)

RN 229623-71-6 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid,
hexahydro-2,5-dioxo-3a,6a-bis[4-
[2-oxo-2-(2,2,2-trichloroethoxy)ethoxy]phenyl]-, bis(phenylmethyl) ester,
cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



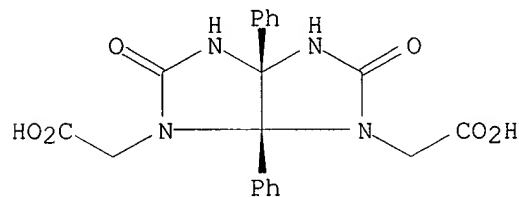
IT 229623-62-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and esterification of)

RN 229623-62-5 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



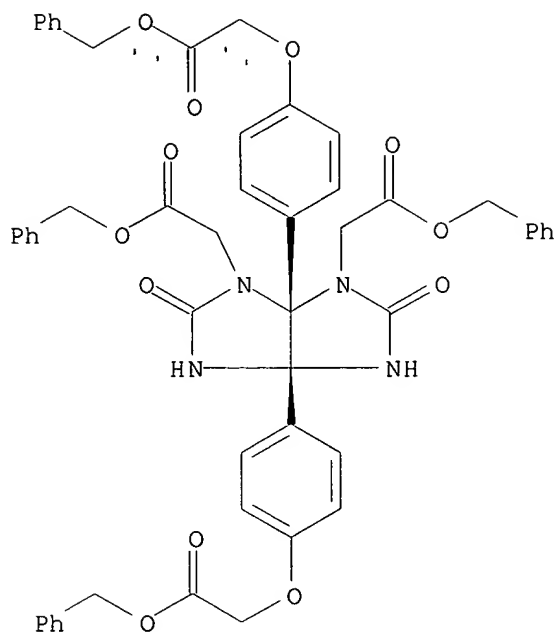
IT 229623-63-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hydrogenolysis of)

RN 229623-63-6 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-bis[4-[2-oxo-2-(phenylmethoxy)ethoxy]phenyl]-, bis(phenylmethyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



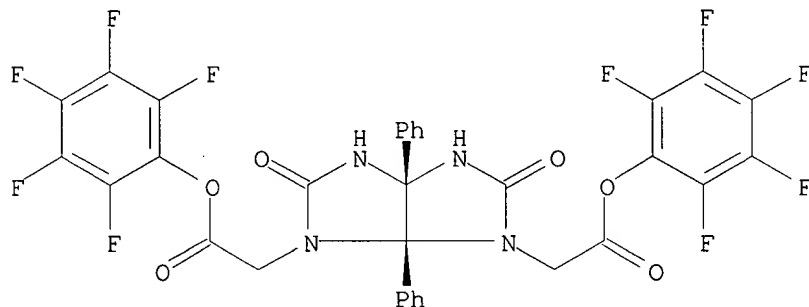
IT **229623-68-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reaction with leucine ester)

RN 229623-68-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



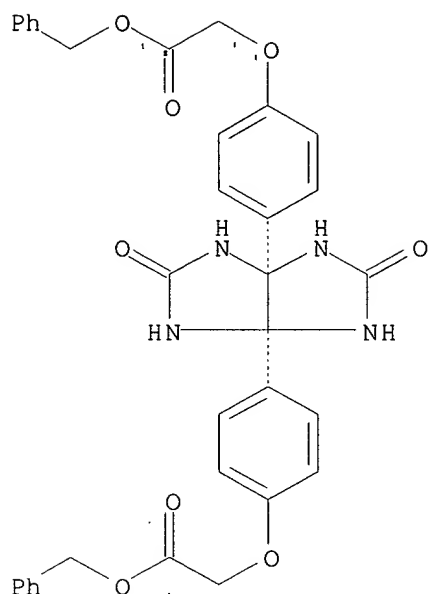
IT **229623-65-8**

RL: RCT (Reactant)
(prepn. and sapon. of)

RN 229623-65-8 CAPLUS

CN Acetic acid, 2,2'-[(cis-tetrahydro-2,5-dioxoimidazo[4,5-d]imidazole-3a,6a(1H,4H)-diyl)bis(4,1-phenyleneoxy)]bis-, bis(phenylmethyl) ester (9CI) (CA INDEX NAME)

Relative stereochemistry.



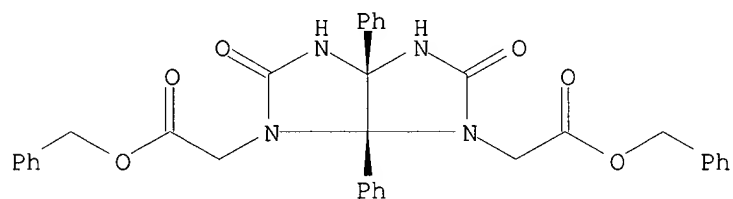
IT 229623-66-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and sapon. of)

RN 229623-66-9 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, bis(phenylmethyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 229623-60-3P 229623-61-4P 229623-67-0P

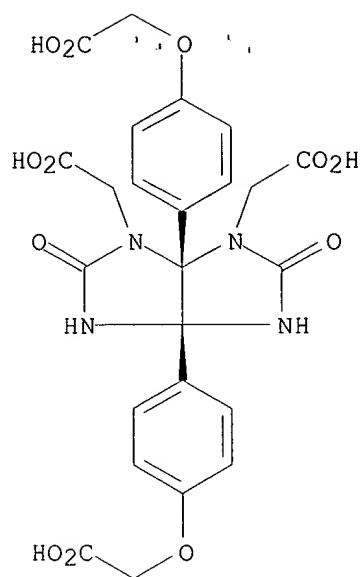
229623-72-7P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 229623-60-3 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, 3a,6a-bis[4-(carboxymethoxy)phenyl]hexahydro-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

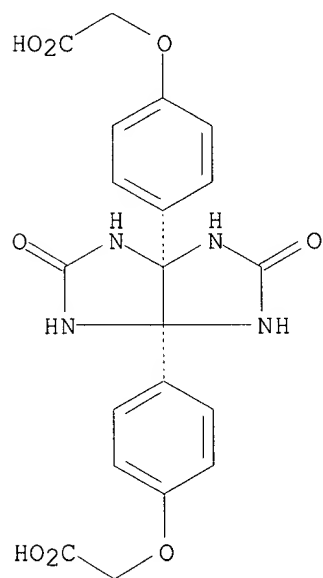
Relative stereochemistry.



RN 229623-61-4 CAPLUS

CN Acetic acid, 2,2'-[(cis-tetrahydro-2,5-dioxoimidazo[4,5-d]imidazole-3a,6a(1H,4H)-diyl)bis(4,1-phenyleneoxy)]bis- (9CI) (CA INDEX NAME)

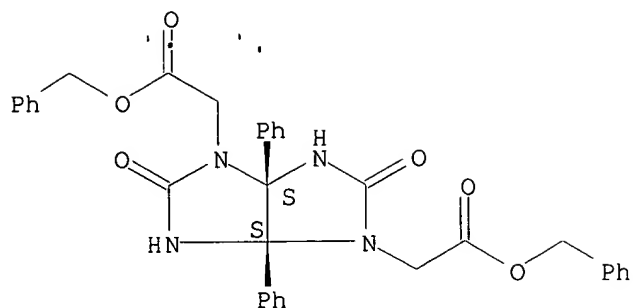
Relative stereochemistry.



RN 229623-67-0 CAPLUS

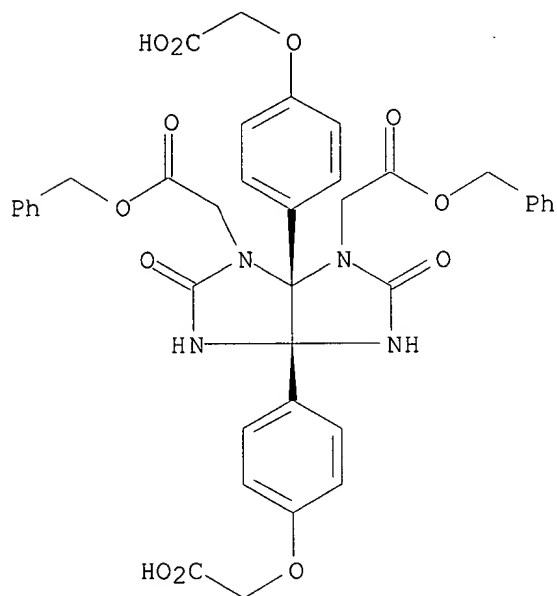
CN Imidazo[4,5-d]imidazole-1,4-diacetic acid, hexahydro-2,5-dioxo-3a,6a-diphenyl-, bis(phenylmethyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



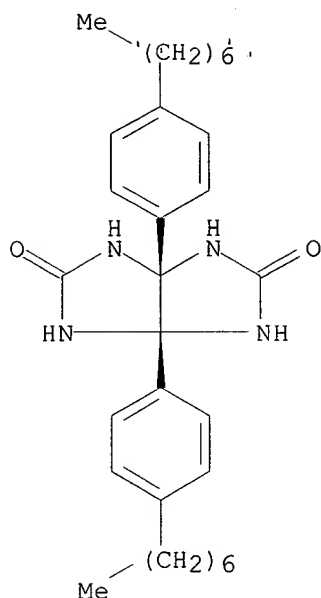
RN 229623-72-7 CAPLUS
 CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, 3a,6a-bis[4-(carboxymethoxy)phenyl]hexahydro-2,5-dioxo-, .alpha.,.alpha.'-bis(phenylmethyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 3 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT 205862-09-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (Diels-Alder reactions through reversible encapsulation in
 self-assembled hydrogen-bonded dimers)
 RN 205862-09-5 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,6a-bis(4-heptylphenyl)tetrahydro-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 4 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

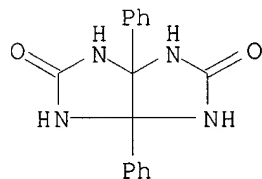
RL: PEP (Physical, engineering or chemical process); PRP (Properties);
PROC (Process)

(conformational behavior and binding properties of naphthalene-walled
clips)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 5 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **201211-80-5**

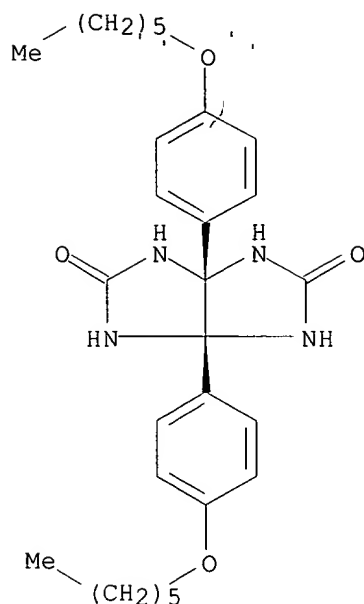
RL: RCT (Reactant)

(encapsulation of camphor derivs. by self-assembling softball-shaped
hollow pseudospherical dimers held together by hydrogen bonds in org.
solvents)

RN 201211-80-5 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,6a-bis[4-
(hexyloxy)phenyl]tetrahydro-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 6 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

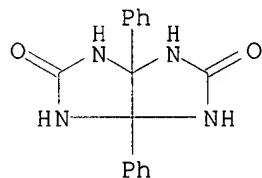
RL: BAC (Biological activity or effector, except adverse); PRP (Properties); BIOL (Biological study)

(quant. structure-activity relations for phenobarbital-type cytochrome P 450 inducers)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)

(CA INDEX NAME)



L13 ANSWER 7 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3D**, Diphenylglycoluril, derivs.

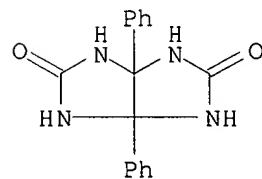
RL: MSC (Miscellaneous)

(sepn. of effects of hydrogen bonding and .pi.-.pi. interactions in binding features of mol. clips)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-(9CI)

(CA INDEX NAME)



L13 ANSWER 8 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 5157-15-3, Diphenylglycoluril

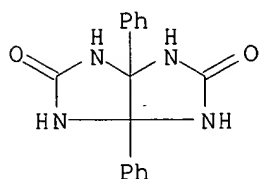
RL: RCT (Reactant)

(mol. clips with two different side walls)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)

(CA INDEX NAME)



L13 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 190436-06-7P 190436-07-8P

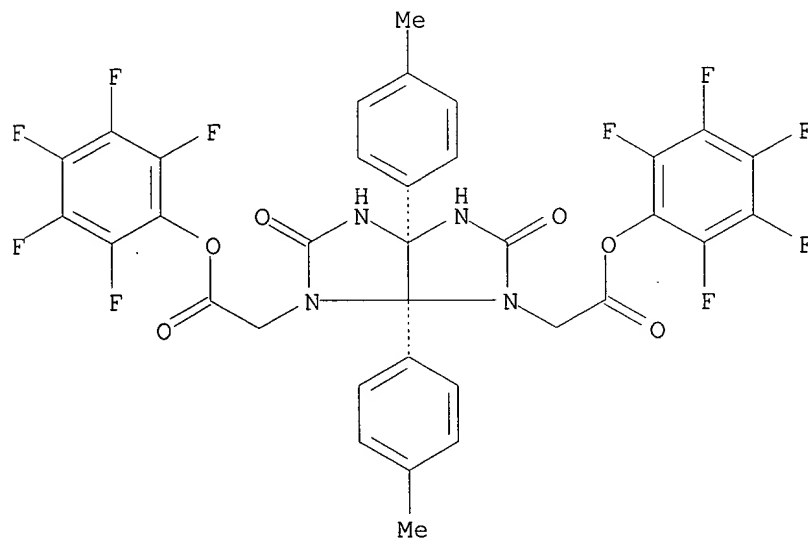
RL: PEP (Physical, engineering or chemical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

(chem. selection and self-assembly in the cyclization reaction of glycolurils with trans-1,2-diaminocyclohexane)

RN 190436-06-7 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

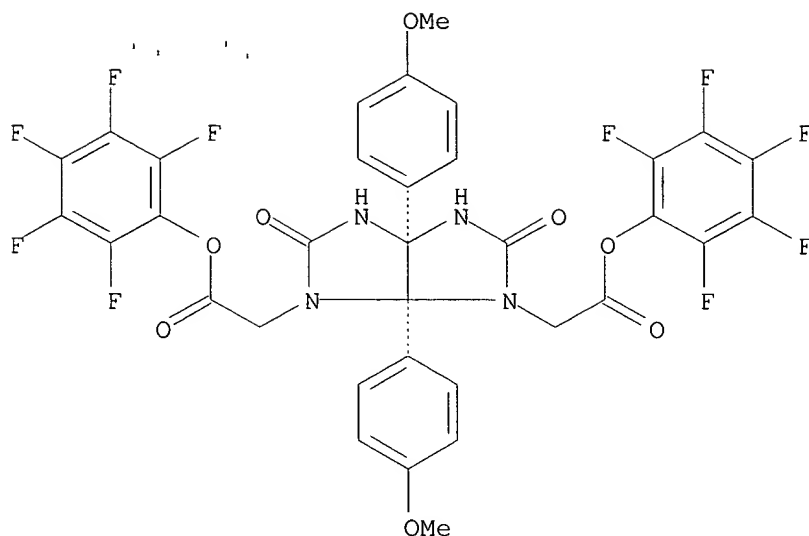
Relative stereochemistry.



RN 190436-07-8 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 190435-95-1

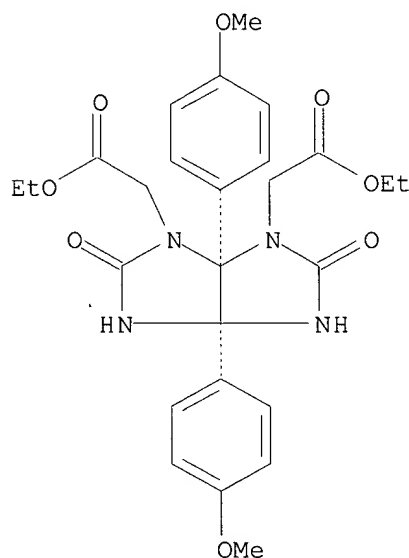
RL: RCT (Reactant)

(chem. selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190435-95-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, diethyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



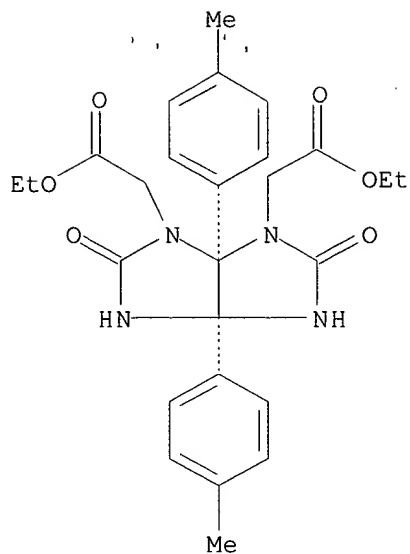
IT 190435-94-0P 190436-00-1P 190436-01-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(chem. selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)

RN 190435-94-0 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, diethyl ester, cis- (9CI) (CA INDEX NAME)

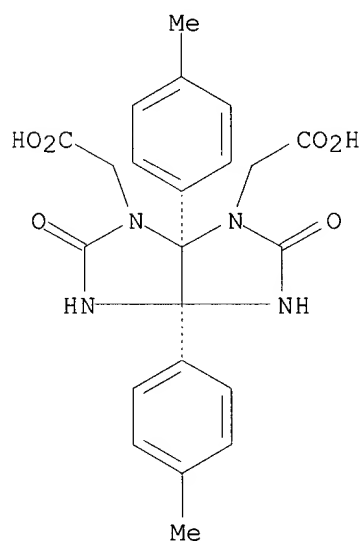
Relative stereochemistry.



RN 190436-00-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methylphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

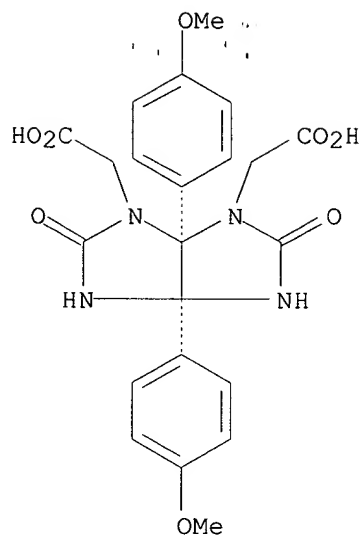
Relative stereochemistry.



RN 190436-01-2 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 10 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **101241-21-8**

RL: RCT (Reactant)

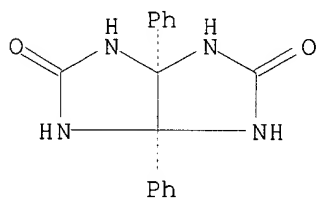
(starting material; prepn. of softballs)

RN 101241-21-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
cis-

(9CI) (CA INDEX NAME)

Relative stereochemistry.



=> d hitstr 11-

YOU HAVE REQUESTED DATA FROM 43 ANSWERS - CONTINUE? Y/(N):y

L13 ANSWER 11 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

RL: BAC (Biological activity or effector, except adverse); PRP

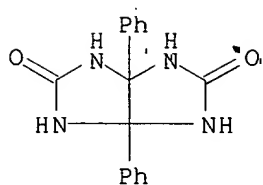
(Properties); BIOL (Biological study)

(structure-activity relationships of urea derivs. inducers of liver P
450)

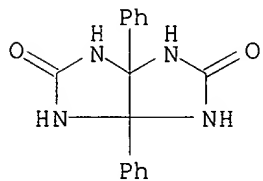
RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
(9CI)

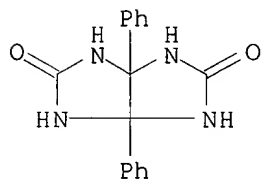
(CA INDEX NAME)



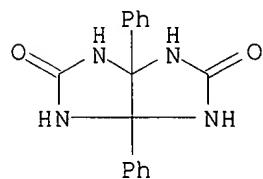
L13 ANSWER 12 OF 53 USPATFULL
 IT **5157-15-3**, Diphenylglycoluril
 (disinfectant contg., for water purifn.)
 RN 5157-15-3 USPATFULL
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L13 ANSWER 13 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **5157-15-3**, Diphenylglycoluril
 RL: NUU (Nonbiological use, unclassified); USES (Uses)
 (electrochem. redox of iron-sulfur clusters encapsulated in)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)

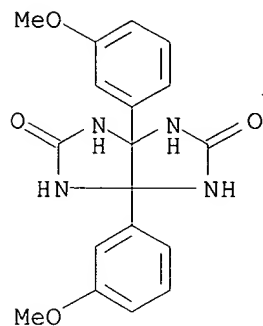


L13 ANSWER 14 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **5157-15-3P 17816-41-0P 17816-43-2P**
183157-15-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (cyclocondensation of benzils with ureas to give oxazoles)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



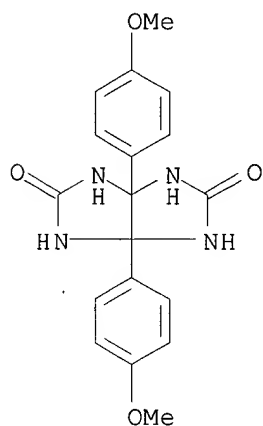
RN 17816-41-0 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



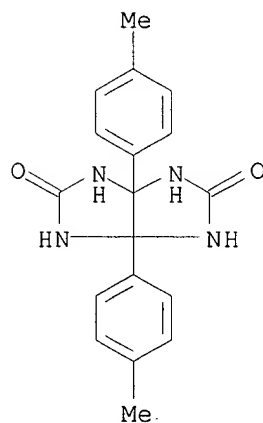
RN 17816-43-2 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 183157-15-5 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(4-methylphenyl)- (9CI) (CA INDEX NAME)



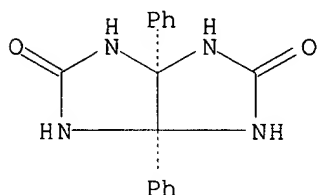
L13 ANSWER 15 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 101241-21-8

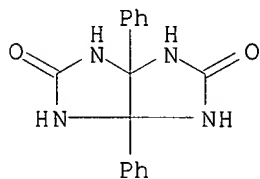
RL: RCT (Reactant)

(reactant; prepn. and inclusion reaction of hydrogen-bonded dimer with guests)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
 cis-
 (9CI) (CA INDEX NAME)

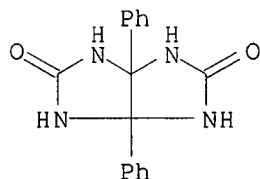
Relative stereochemistry.



L13 ANSWER 16 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT 5157-15-3
 RL: PRP (Properties)
 (frontal polygon method for anal. of structure-activity relations of urea derivs.)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



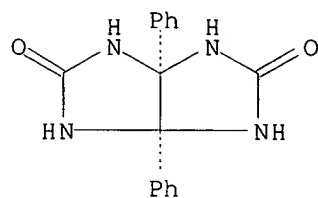
L13 ANSWER 17 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT 5157-15-3
 RL: PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process)
 (optimized prodn. of 1,3,4,6-tetrachloro-7,8-diphenylacetylenediureine by chlorination)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L13 ANSWER 18 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT 101241-21-8
 RL: RCT (Reactant)
 (condensation reaction with paraformaldehyde)
 RN 101241-21-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
 cis-

(9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 19 OF 53 CAPLUS COPYRIGHT 2000 ACS

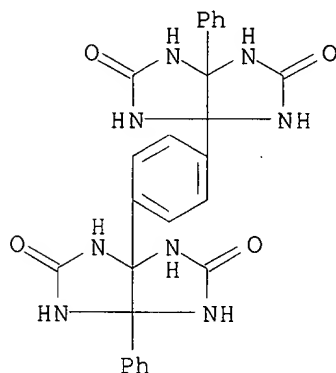
IT **121400-84-8P 121400-87-1P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(regioselective cyclocondensation of bis(dioxophenylethyl)benzene with benzylidenebisurea)

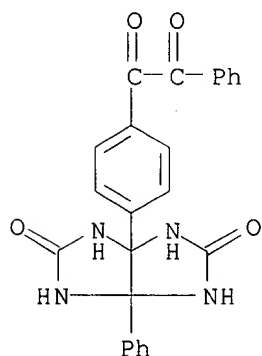
RN 121400-84-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,3'a-(1,4-phenylene)bis[tetrahydro-6a-phenyl- (9CI) (CA INDEX NAME)]



RN 121400-87-1 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-(oxophenylacetyl)phenyl]-6a-phenyl- (9CI) (CA INDEX NAME)]



L13 ANSWER 20 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3, Diphenylglycoluril**

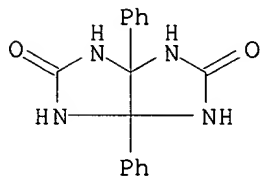
RL: RCT (Reactant)

(supramol. self-assembly of mols. in closed spherical structures (tennis ball shapes))

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 21 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

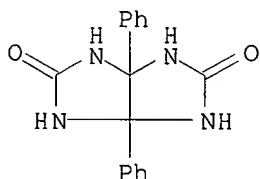
RL: BAC (Biological activity or effector, except adverse); BIOL
(Biological study)

(structure and antihypoxic properties of bicyclic bis-ureas)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 22 OF 53 CAPLUS COPYRIGHT 2000 ACS

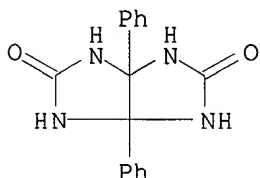
IT **5157-15-3**

RL: PRP (Properties)
(IR of, in potassium bromide or in soln.)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 23 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **101241-21-8**

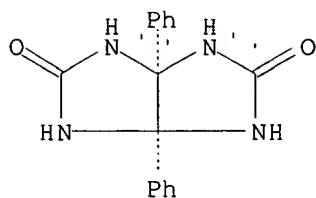
RL: RCT (Reactant)
(reactant, in prepn. of self-complementary mol.)

RN 101241-21-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
cis-

(9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 24 OF 53 CAPLUS COPYRIGHT 2000 ACS

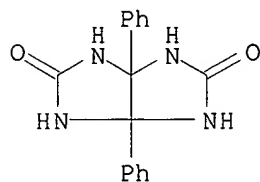
IT **5157-15-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and hexobarbital-induced sleep extension by)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 25 OF 53 CAPLUS COPYRIGHT 2000 ACS

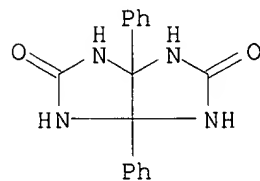
IT **5157-15-3**

(cytochrome P 450-dependent hepatic monooxygenase activation by
phenobarbital vs.)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 26 OF 53 CAPLUS COPYRIGHT 2000 ACS

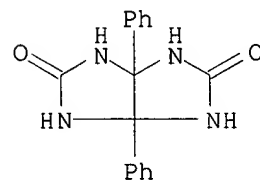
IT **5157-15-3**, Diphenylglycoluril

(disinfectant contg., for water purifn.)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 27 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

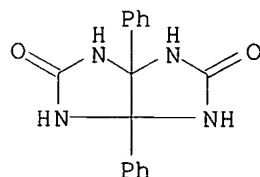
RL: RCT (Reactant)

(chlorination of, in situ generated chlorine for)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 28 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3P**

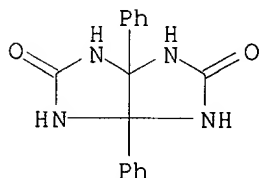
RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 29 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3P**

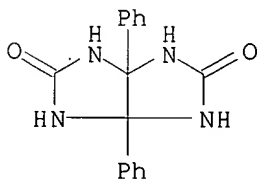
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)

(prepn. and chlorination of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 30 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

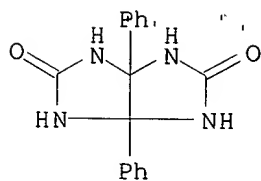
RL: RCT (Reactant)

(reaction of, with paraformaldehyde)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 31 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **101241-21-8P**

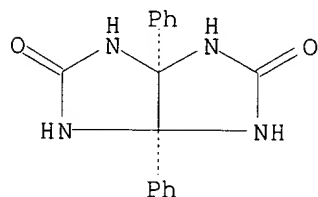
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and derivatization of)

RN 101241-21-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
cis-

(9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 32 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**, Diphenylglycoluril

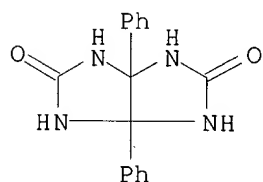
RL: RCT (Reactant)

(substitution reaction of, with (bromoalkoxy)methoxybenzaldehyde)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
(9CI)

(CA INDEX NAME)



L13 ANSWER 33 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **101241-21-8P**

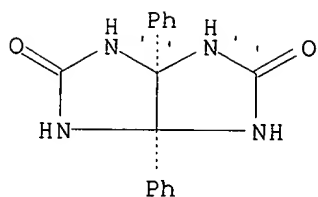
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 101241-21-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-,
cis-

(9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 34 OF 53 CAPLUS COPYRIGHT 2000 ACS

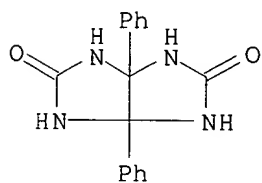
IT **5157-15-3P 121400-84-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

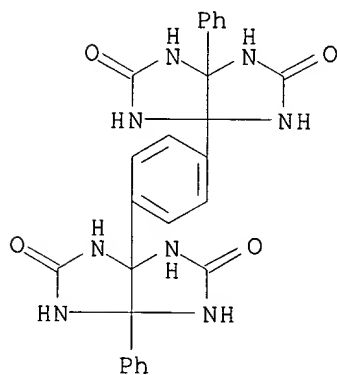
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



RN 121400-84-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,3'a-(1,4-
phenylene)bis[tetrahydro-6a-phenyl- (9CI) (CA INDEX NAME)



L13 ANSWER 35 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3P**

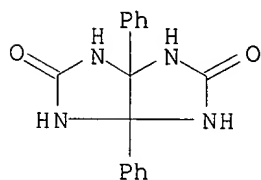
RL: PREP (Preparation)

(manuf. of, by cyclocondensation of benzil with urea)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



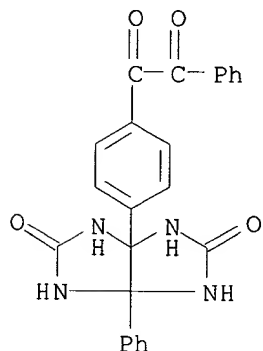
L13 ANSWER 36.OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 121400-87-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and cyclocondensation with urea)

RN 121400-87-1 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-(oxophenylacetyl)phenyl]-6a-phenyl- (9CI) (CA INDEX NAME)

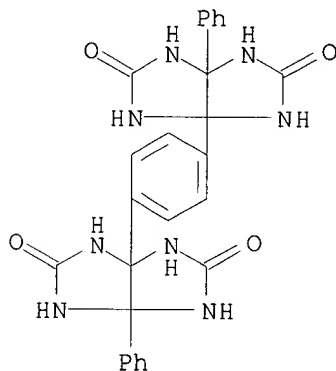


IT 121400-84-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and oxidn. of, by nitric acid)

RN 121400-84-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,3'a-(1,4-phenylene)bis[tetrahydro-6a-phenyl- (9CI) (CA INDEX NAME)

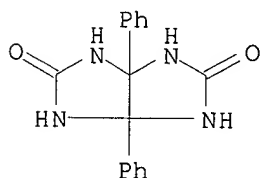


IT 5157-15-3P 121400-85-9P 121400-86-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

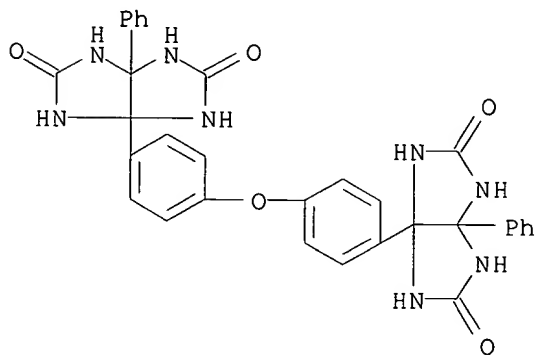
RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)
(CA INDEX NAME)



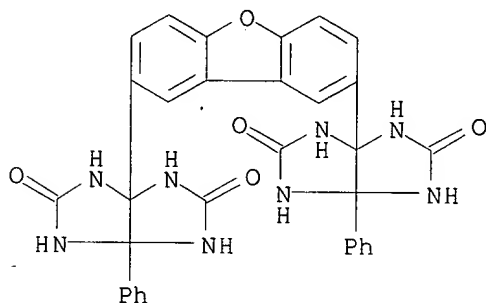
RN 121400-85-9 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,3'a-(oxydi-4,1-phenylene)bis[tetrahydro-6a-phenyl- (9CI) (CA INDEX NAME)



RN 121400-86-0 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,3'a-(2,8-dibenzofurandiyl)bis[tetrahydro-6a-phenyl- (9CI) (CA INDEX NAME)



L13 ANSWER 37 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **101241-21-8**

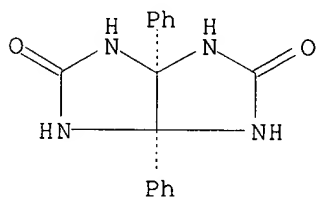
RL: RCT (Reactant)

(cyclization reaction with paraformaldehyde and substitution reaction of, with dichlorooxooctane and dibromohexane)

RN 101241-21-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 38 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **101241-21-8**

RL: RCT (Reactant)

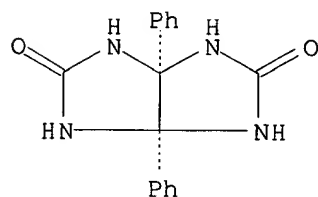
(reaction of, with paraformaldehyde in presence of alk. catalyst)

RN 101241-21-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-, cis-

(9CI) (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 39 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 5157-15-3

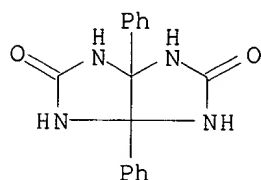
RL: RCT (Reactant)

(condensation of, with formaldehyde and propanediamine)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 40 OF 53 CAPLUS COPYRIGHT 2000 ACS

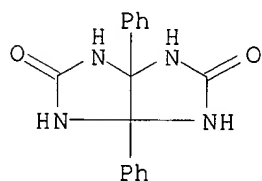
IT 5157-15-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 41 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 17816-37-4P 87299-10-3P 87299-11-4P

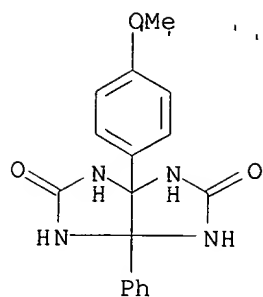
87299-12-5P 87299-13-6P 87299-14-7P

87299-15-8P 87299-16-9P

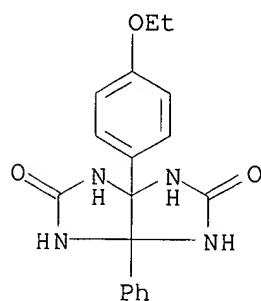
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 17816-37-4 CAPLUS

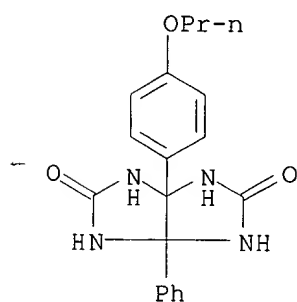
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione,
tetrahydro-3a-(4-methoxyphenyl)-
6a-phenyl- (9CI) (CA INDEX NAME)



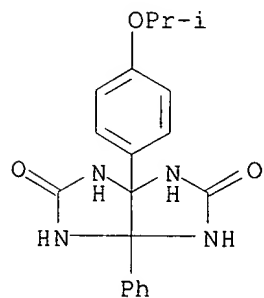
RN 87299-10-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione,
 3a-(4-ethoxyphenyl)tetrahydro-6a-
 phenyl- (9CI) (CA INDEX NAME)

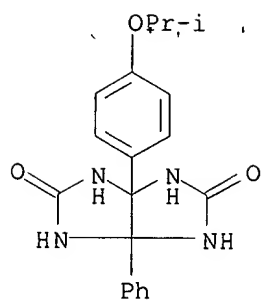


RN 87299-11-4 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-phenyl-6a-(4-
 propoxyphenyl)- (9CI) (CA INDEX NAME)

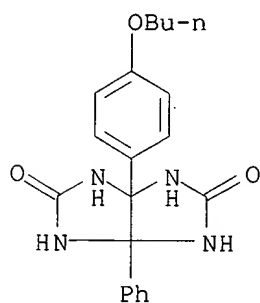


RN 87299-12-5 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-(1-
 methylethoxy)phenyl]-6a-phenyl- (9CI) (CA INDEX NAME)

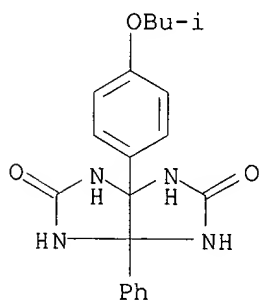




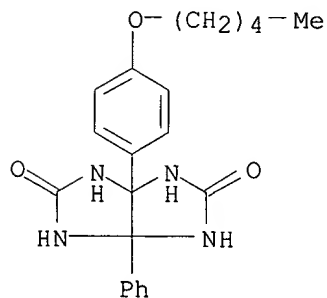
RN 87299-13-6 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione,
 3a-(4-butoxyphenyl)tetrahydro-6a-
 phenyl- (9CI) (CA INDEX NAME)

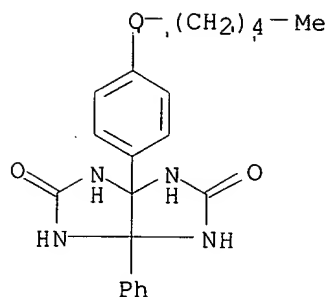


RN 87299-14-7 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-(2-
 methylpropoxy)phenyl]-6a-phenyl- (9CI) (CA INDEX NAME)



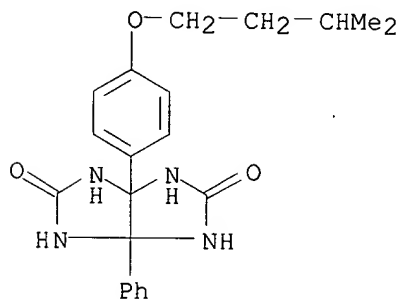
RN 87299-15-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-
 (pentyloxy)phenyl]-6a-phenyl- (9CI) (CA INDEX NAME)





RN 87299-16-9 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a-[4-(3-methylbutoxy)phenyl]-6a-phenyl- (9CI) (CA INDEX NAME)



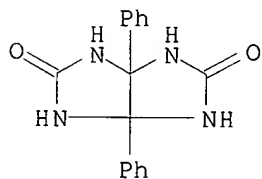
L13 ANSWER 42 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3**

RL: RCT (Reactant)
(enol ethylation of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)
(CA INDEX NAME)



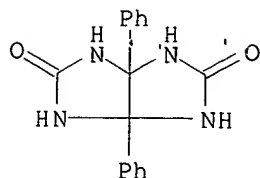
L13 ANSWER 43 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **5157-15-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl- (9CI)
(CA INDEX NAME)



L13 ANSWER 44 OF 53 CAPLUS COPYRIGHT 2000 ACS

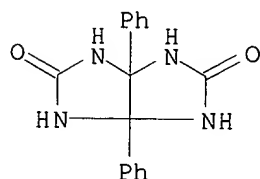
IT **5157-15-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 45 OF 53 CAPLUS COPYRIGHT 2000 ACS

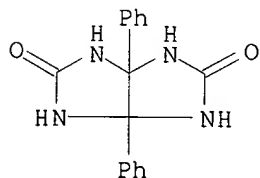
IT **5157-15-3P**

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and virucidal activity of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 46 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **41407-08-3P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 41407-08-3 CAPLUS

L13 ANSWER 47 OF 53 CAPLUS COPYRIGHT 2000 ACS

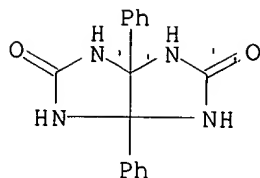
IT **5157-15-3**

RL: RCT (Reactant)
(chlorination of)

RN 5157-15-3 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



L13 ANSWER 48 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT 17816-37-4 17816-43-2 55484-66-7

55484-67-8 55484-68-9 55484-69-0

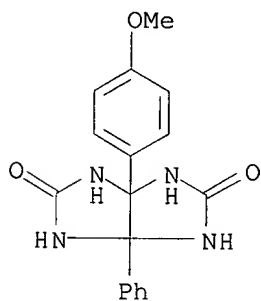
RL: RCT (Reactant)

(chlorination of)

RN 17816-37-4 CAPLUS

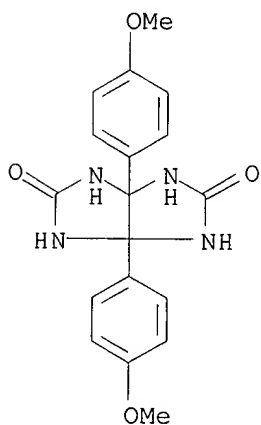
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione,
tetrahydro-3a-(4-methoxyphenyl)-

6a-phenyl- (9CI) (CA INDEX NAME)



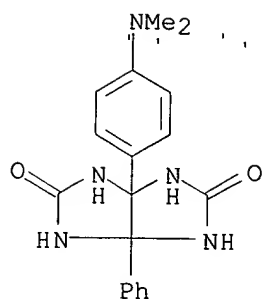
RN 17816-43-2 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



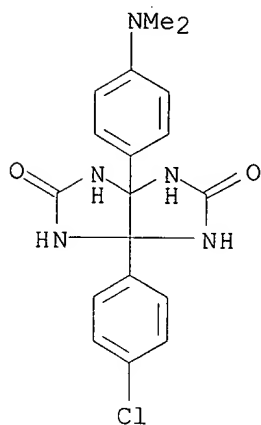
RN 55484-66-7 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a-[4-(dimethylamino)phenyl]tetrahydro-6a-phenyl- (9CI) (CA INDEX NAME)



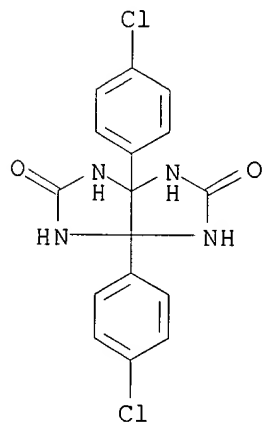
RN 55484-67-8 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a-(4-chlorophenyl)-6a-[4-(dimethylamino)phenyl]tetrahydro- (9CI) (CA INDEX NAME)



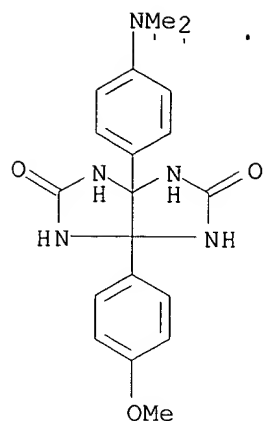
RN 55484-68-9 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a,6a-bis(4-chlorophenyl)tetrahydro- (9CI) (CA INDEX NAME)



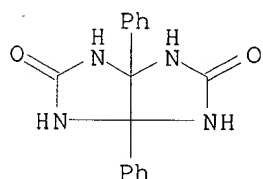
RN 55484-69-0 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, 3a-[4-(dimethylamino)phenyl]tetrahydro-6a-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

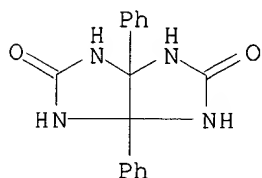


L13 ANSWER 49 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **41407-08-3**
 RL: USES (Uses)
 (pressure moderators, in propellants contg. RDX combustion retarders)
 RN 41407-08-3 CAPLUS

L13 ANSWER 50 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **5157-15-3**
 RL: RCT (Reactant)
 (chlorination of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L13 ANSWER 51 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **5157-15-3**
 RL: RCT (Reactant)
 (acylation of)
 RN 5157-15-3 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
 (9CI)
 (CA INDEX NAME)



L13 ANSWER 52 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **5157-15-3P 17816-33-0P 17816-34-1P**
17816-35-2P 17816-36-3P 17816-37-4P
17816-38-5P 17816-39-6P 17816-40-9P

17816-41-0P 17816-42-1P 17816-43-2P

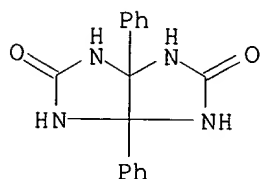
17816-44-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 5157-15-3 CAPLUS

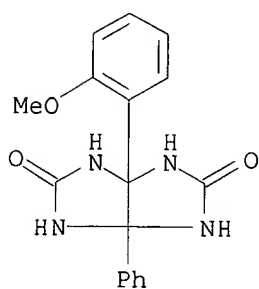
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-diphenyl-
(9CI)

(CA INDEX NAME)



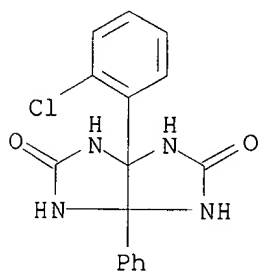
RN 17816-33-0 CAPLUS

CN Glycoluril, 3a-(o-methoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



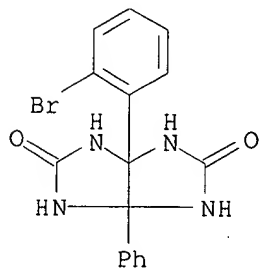
RN 17816-34-1 CAPLUS

CN Glycoluril, 3a-(o-chlorophenyl)-6a-phenyl- (8CI) (CA INDEX NAME)

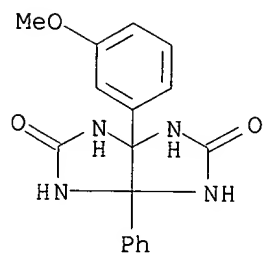


RN 17816-35-2 CAPLUS

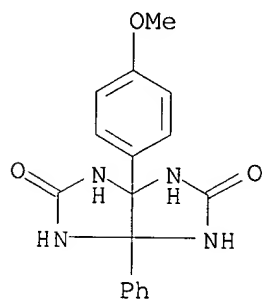
CN Glycoluril, 3a-(o-bromophenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



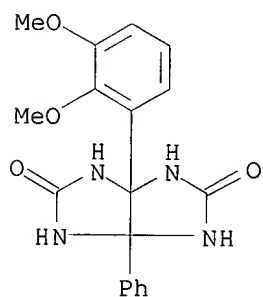
RN 17816-36-3 CAPLUS
CN Glycoluril, 3a-(m-methoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



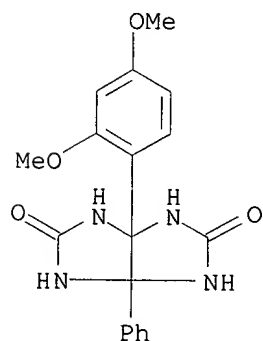
RN 17816-37-4 CAPLUS
CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione,
tetrahydro-3a-(4-methoxyphenyl)-
6a-phenyl- (9CI) (CA INDEX NAME)

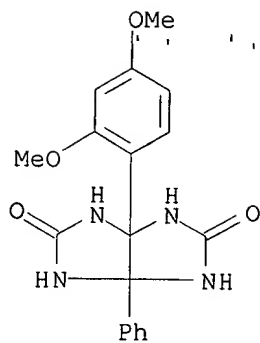


RN 17816-38-5 CAPLUS
CN Glycoluril, 3a-(2,3-dimethoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)

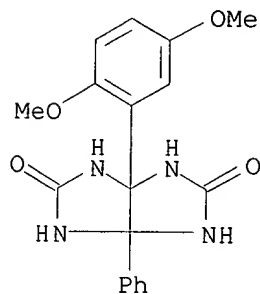


RN 17816-39-6 CAPLUS
CN Glycoluril, 3a-(2,4-dimethoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)

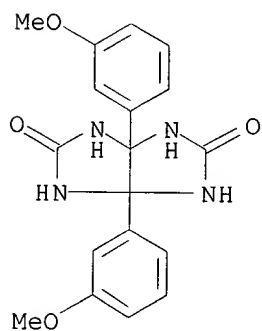




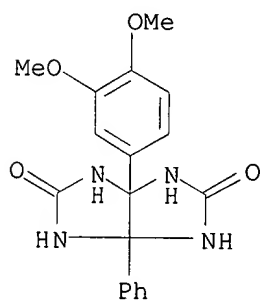
RN 17816-40-9 CAPLUS
 CN Glycoluril, 3a-(2,5-dimethoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



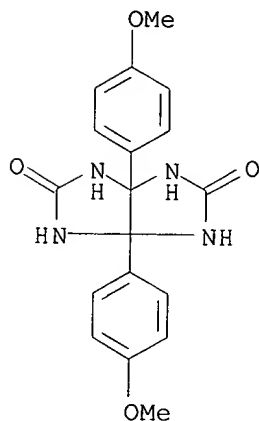
RN 17816-41-0 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



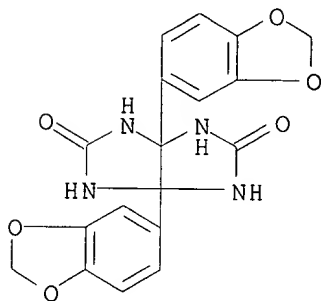
RN 17816-42-1 CAPLUS
 CN Glycoluril, 3a-(3,4-dimethoxyphenyl)-6a-phenyl- (8CI) (CA INDEX NAME)



RN 17816-43-2 CAPLUS
 CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 17816-44-3 CAPLUS
 CN Glycoluril, 3a,6a-bis[3,4-(methylenedioxy)phenyl]- (8CI) (CA INDEX NAME)



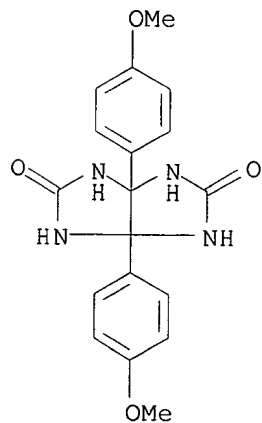
L13 ANSWER 53 OF 53 CAPLUS COPYRIGHT 2000 ACS

IT **17816-43-2P 21443-71-0P**

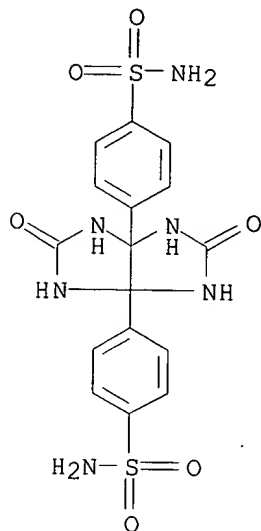
RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 17816-43-2 CAPLUS

CN Imidazo[4,5-d]imidazole-2,5(1H,3H)-dione, tetrahydro-3a,6a-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 21443-71-0 CAPLUS
CN Benzenesulfonamide, 4,4'-(tetrahydro-2,5-dioxoimidazo[4,5-d]imidazole-3a,6a(1H,4H)-diyl)bis- (8CI) (CA INDEX NAME)



=> y

Y IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	104.40	399.91
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.53

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 26, 2000 (20000526/UP).

=> d ibib 2 9

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS, USPATFULL' - CONTINUE? (Y)/N:y

L13 ANSWER 2 OF 53 CAPLUS COPYRIGHT 2000 ACS
ACCESSION NUMBER: 1999:322944 CAPLUS
DOCUMENT NUMBER: 131:87870
TITLE: Multifunctionalized Glycolurils
AUTHOR(S): Pryor, Kent E.; Rebek, Julius Jr.
CORPORATE SOURCE: The Skaggs Institute for Chemical Biology and

SOURCE: Department of Chemistry, The Scripps Research
 Institute, La Jolla, CA, 92037, USA
 Org. Lett. (1999), 1(1), 39-42
 CODEN: ORLEF7; ISSN: 1523-7060
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 15
 REFERENCE(S): (1) Boileau, J; Propellants Explos Pyrotech 1985,
 V10,
 P118 CAPLUS
 (2) Coolen, H; J Org Chem 1996, V61, P4739 CAPLUS
 (3) Dave, P; Tetrahedron Lett 1999, V40, P447 CAPLUS
 (5) Fang, Y; Hanneng Cailiao 1997, V5, P9 CAPLUS
 (6) Kotani, T; Chem Pharm Bull 1997, V45, P297 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

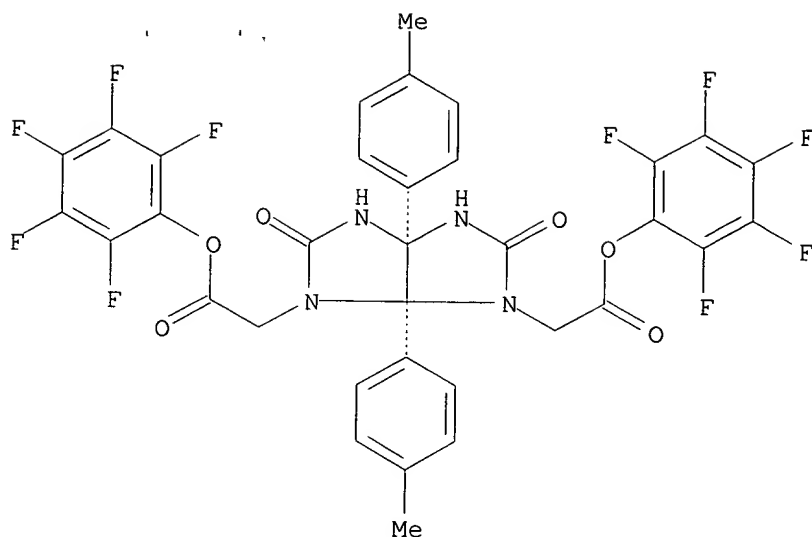
L13 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2000 ACS
 ACCESSION NUMBER: 1997:319264 CAPLUS
 DOCUMENT NUMBER: 127:17285
 TITLE: Chemical selection and self-assembly in a cyclization
 reaction
 AUTHOR(S): Rudkevich, Dmitry M.; Rebek, Julius, Jr.
 CORPORATE SOURCE: Skaggs Inst. Chemical Biology, Scripps Research
 Inst.,
 La Jolla, CA, 92037, USA
 SOURCE: Angew. Chem., Int. Ed. Engl. (1997), 36(8), 846-848
 CODEN: ACIEAY; ISSN: 0570-0833
 PUBLISHER: VCH
 DOCUMENT TYPE: Journal
 LANGUAGE: English

=> d hitstr 9

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS, USPATFULL' - CONTINUE? (Y)/N:y

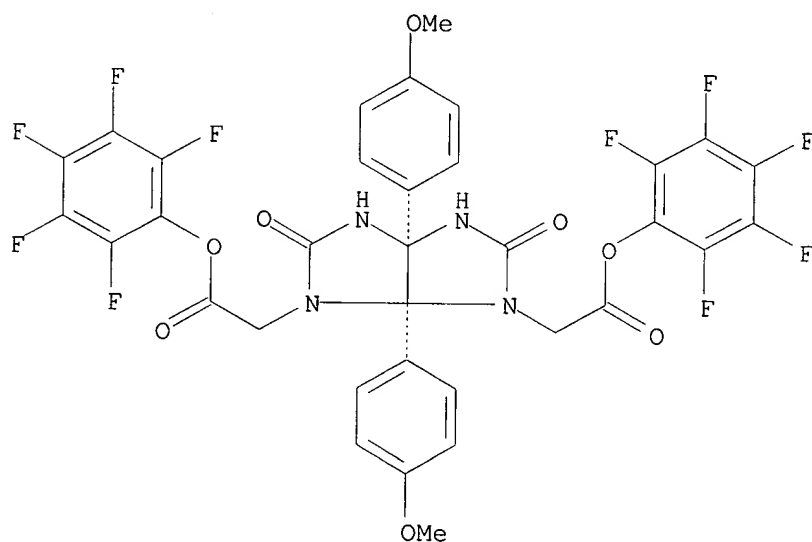
L13 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2000 ACS
 IT **190436-06-7P 190436-07-8P**
 RL: PEP (Physical, engineering or chemical process); RCT (Reactant); SPN
 (Synthetic preparation); PREP (Preparation); PROC (Process)
 (chem. selection and self-assembly in the cyclization reaction of
 glycourils with trans-1,2-diaminocyclohexane)
 RN 190436-06-7 CAPLUS
 CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-
 methylphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA
 INDEX NAME)

Relative stereochemistry.



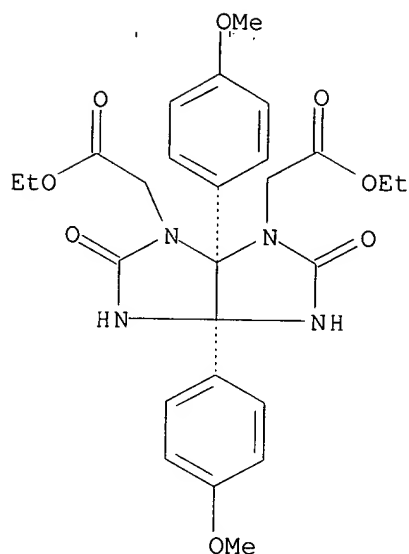
RN 190436-07-8 CAPLUS
 CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, bis(pentafluorophenyl) ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 190435-95-1
 RL: RCT (Reactant)
 (chem. selection and self-assembly in the cyclization reaction of glycourils with trans-1,2-diaminocyclohexane)
 RN 190435-95-1 CAPLUS
 CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, diethyl ester, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



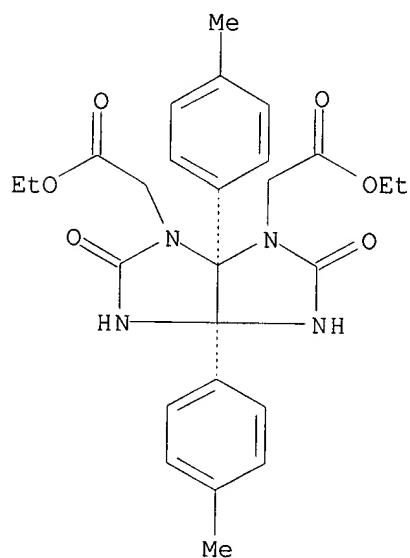
IT 190435-94-0P 190436-00-1P 190436-01-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(chem. selection and self-assembly in the cyclization reaction of
glycourils with trans-1,2-diaminocyclohexane)

RN 190435-94-0 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-
methylphenyl)-2,5-dioxo-, diethyl ester, cis- (9CI) (CA INDEX NAME)

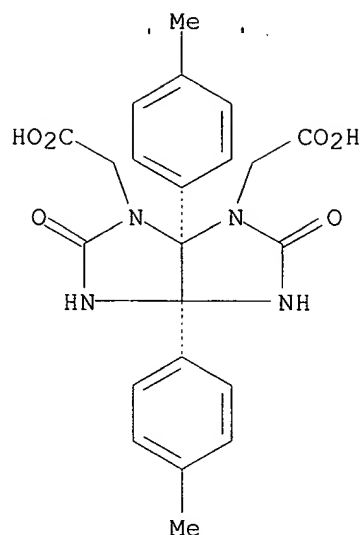
Relative stereochemistry.



RN 190436-00-1 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-
methylphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

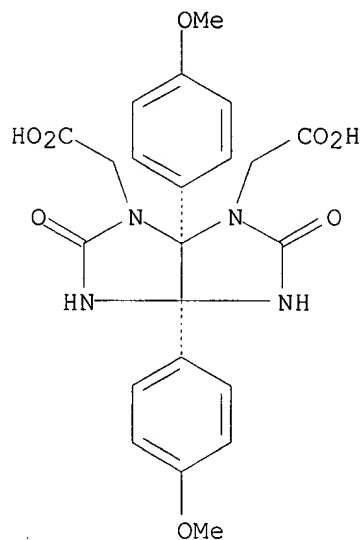
Relative stereochemistry.



RN 190436-01-2 CAPLUS

CN Imidazo[4,5-d]imidazole-1,6-diacetic acid, hexahydro-3a,6a-bis(4-methoxyphenyl)-2,5-dioxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.00	406.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.53

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.00	406.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.53

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=> d his

(FILE 'HOME' ENTERED AT 21:56:57 ON 31 MAY 2000)

FILE 'REGISTRY' ENTERED AT 21:57:24 ON 31 MAY 2000
L1 STRUCTURE UPLOADED
L2 39 S L1
L3 858 S L1 FULL

FILE 'CAPLUS, USPATFULL' ENTERED AT 21:58:50 ON 31 MAY 2000
L4 263 S L3
L5 0 S L4 AND CARBONYL/IN
L6 0 S L4 AND CARBONYL/CN
L7 4 S L4 AND CARBONYL

FILE 'REGISTRY' ENTERED AT 22:01:54 ON 31 MAY 2000

FILE 'CAPLUS, USPATFULL' ENTERED AT 22:02:10 ON 31 MAY 2000

FILE 'STNGUIDE' ENTERED AT 22:02:28 ON 31 MAY 2000

FILE 'REGISTRY' ENTERED AT 22:07:20 ON 31 MAY 2000
L8 STRUCTURE UPLOADED
L9 5 S L8
L10 52 S L8 FULL

FILE 'CAPLUS, USPATFULL' ENTERED AT 22:08:39 ON 31 MAY 2000
L11 8124 S L 10
L12 53 S L10
L13 53 DUP REM L12 (0 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 22:11:32 ON 31 MAY 2000

FILE 'CAPLUS, USPATFULL' ENTERED AT 22:16:14 ON 31 MAY 2000

FILE 'STNGUIDE' ENTERED AT 22:16:15 ON 31 MAY 2000

FILE 'CAPLUS, USPATFULL' ENTERED AT 22:16:37 ON 31 MAY 2000

FILE 'STNGUIDE' ENTERED AT 22:16:38 ON 31 MAY 2000

FILE 'STNGUIDE' ENTERED AT 22:17:33 ON 31 MAY 2000

FILE 'STNGUIDE' ENTERED AT 22:24:26 ON 31 MAY 2000

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	406.26

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.53

CA SUBSCRIBER PRICE

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